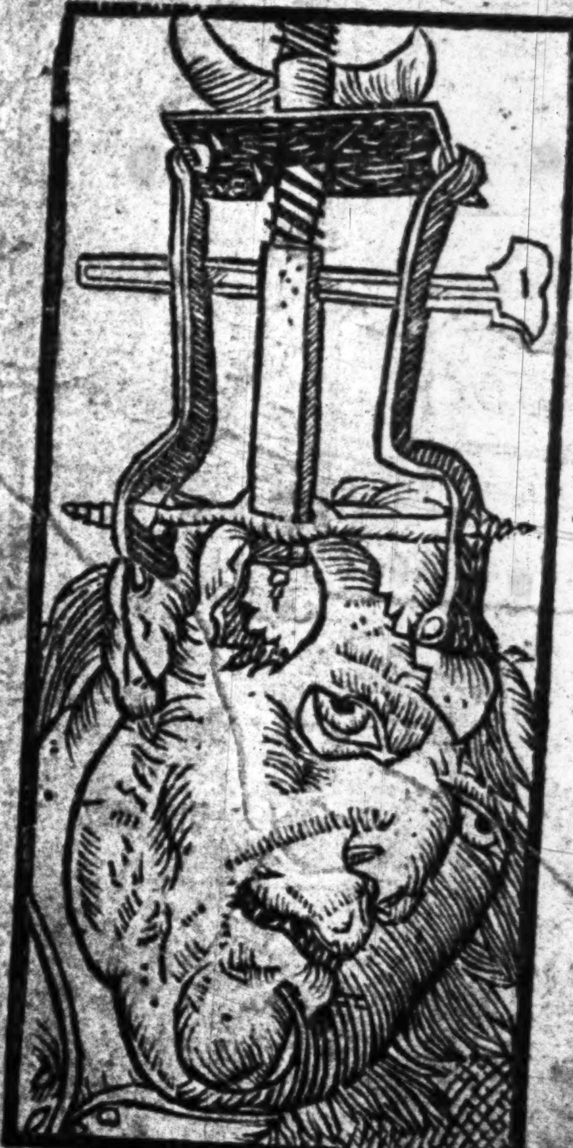
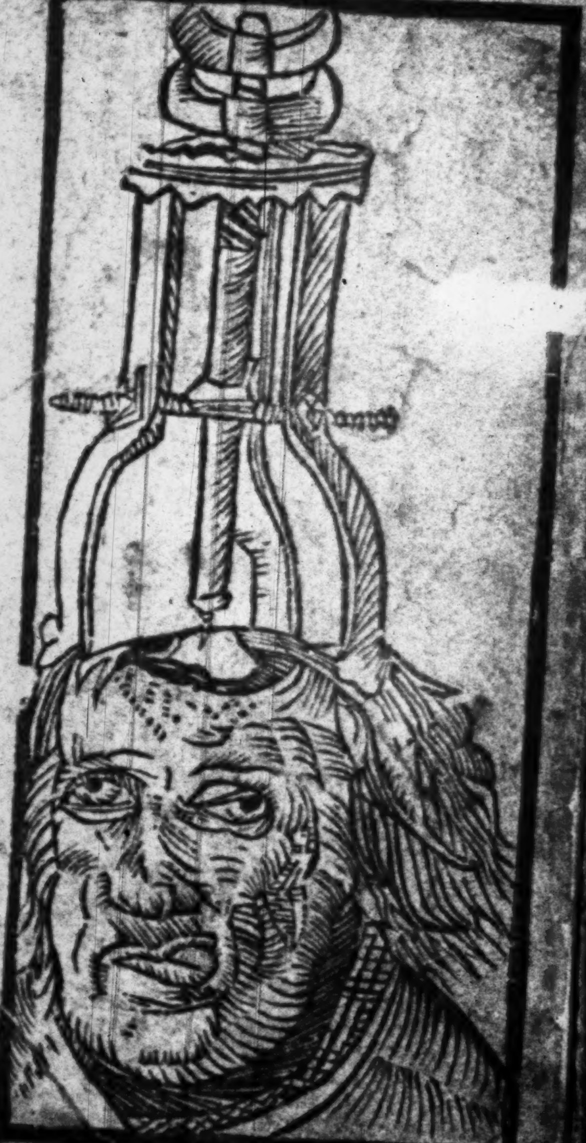
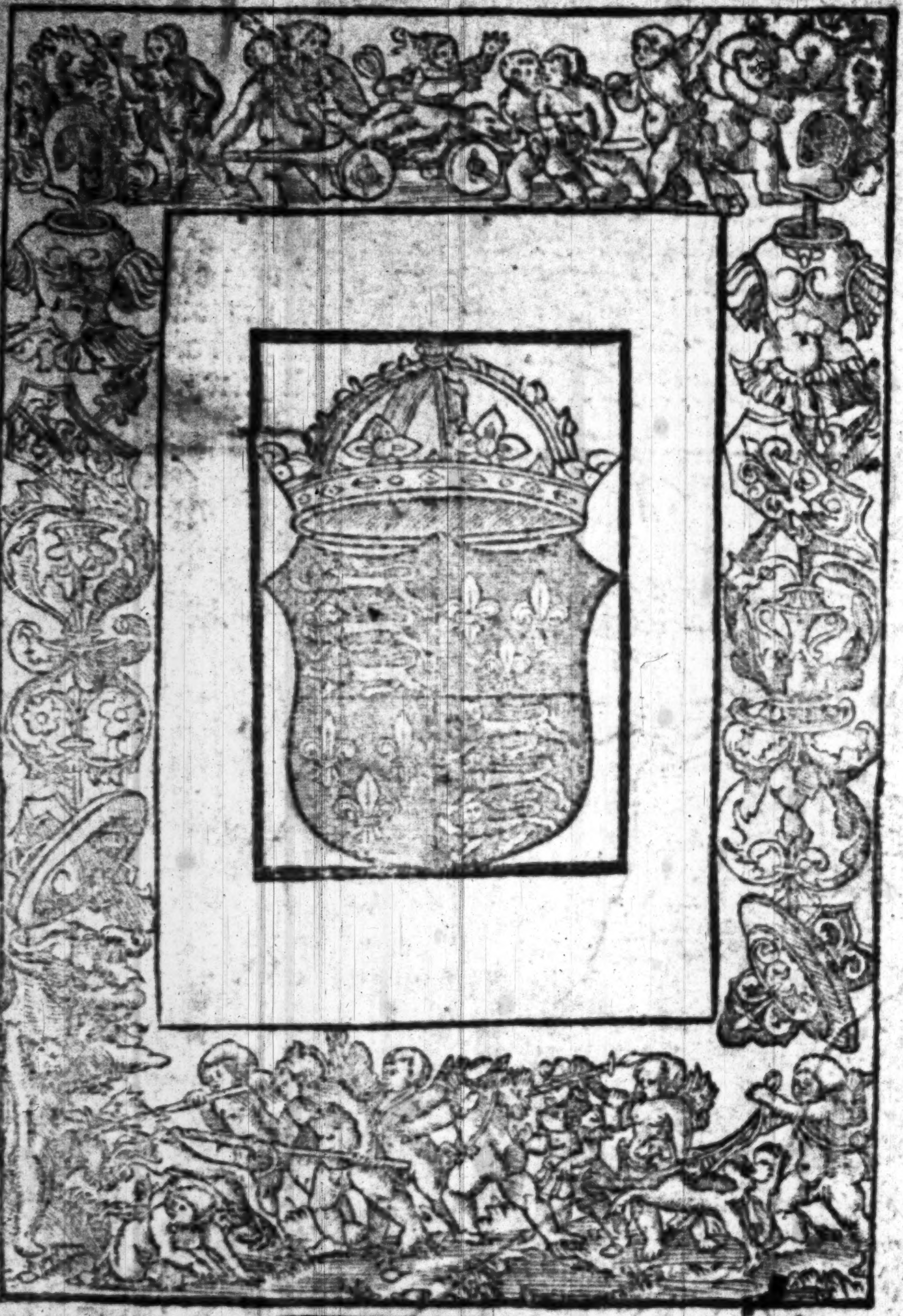
¶ The noble experyence of the vertuous handy warke of ſurgeri/ practyſyd & compyled by the mooſt experte mayſter Jherome of Bruynſwyke/ borne in Straeſborowe in Almayne/ ẏ whiche hath it fyrſt proued/ and trewly founde by his awne dayly experyence.

¶ Item there after he hath authoryſed and done it to vnderſtande through the trewe ſentences of the olde doctours and mayſters very experte in the ſcyence of Surgery/ As Galienus/ Ipocras/ Auicenna/ Gwydo/ Haly abbas/ Lancfrancus of mylen/ Jamericus/ Rogerius/ Albucaſis/ Placẽtinus/ Brunus/ Gwilhelmus de ſaliceto/ & by many other mayſters whoſe names be wryten in this ſame boke. ¶ Here alſo ſhall ye fynde for to cure & hele all wounded mẽbres/ and other ſwellynges. ¶ Item yf ye fynde ony names of herbes or of other thynges wherof ye haue no knowlege/ ẏ ſhall ye knowe playnly by the potecarys. ¶ Item Here ſhall you fynde alſo for to make ſalues/ plaſters/ powders/ oyles/ and drynkes for woundes. ¶ Item who ſo deſyreth of this ſcience ẏ playne knowlege let hym oftentymes rede this boke/ and than he ſhall gette perfyte vnderſtandynge of the noble ſurgery.







MVSEVM
BRITAN
NICVM

¶ The Prologe of the noble handworke of Surgery.

TO yͤ laude of our ſauyour Chryſt Jheſu. ⁊ the honoure of his bleſſyd moder our lady ſaint mary. and all the holy cōpany of heuyn. ⁊ for the helpe of mankynde/ this boke is tranſlated out of duche in to engliſhe And for yͤ loue ⁊ comforte of all them that entende to ſtudye the noble arte of Chyrurgia/ yͤ whiche is called the handyworke of Surgery/ very vtyle and profytable to al that entende to occupye this noble ſciens yͭ herein is openly expreſt and ſhewyd/ how it ſhalbe practyſed ⁊ vſyd/ For many one is therin very ignorāt yͭ wyll medle therwith/ whyche neuer laboured nor neuer ſa poynt of yͤ begynnynge or endynge therof/ wherefore it is often tymes ſene and dayly chaunceth in ſmall townes/ borowghs/ ⁊ vyllages/ that lye farre from ony good cyte or great towne yͭ dyuerſe people hurt or dyſeaſed for lacke of cōnynge men/ be taken in hande of them yͭ be barbers or yōge maiſters to whome this ſciens was neuer dyſcloſed/ not thynkynge on the wordes of the olde lernyd men that ſay/ It is not wel poſſible to man that he ſholde brynge well to a good ende yͤ thynge whiche he neuer or hath but lytell ſene. ¶ Thus ye yonge ſtudyntys/ mayſters/ ⁊ ſeruaūtes of barbers and ſurgyens that entende this noble arte ⁊ cōnynge/ beholde/ ouerſe/ and rede with diligēce this lytell boke that I Jheronim⁹ Brūſwyke borne in Straeſborowgh/ out of the lyne of Salerne/ hathe with great labour cōpyled/ ſet/ ⁊ gadered togyder to your behoof ⁊ great profyt this lytell volume/ thynkynge on many noble auctours in dyuers bokys/ whiche playnly doth ſpeke/ Curſed be thoſe that god hath with cōnynge endewed to the helth/ ſocour/ ⁊ helpe of mankynde/ ⁊ wyll nat occupye it. But bleſſyd be they that amonge his euyn cryſten wyll lyberally ſhewe and mynyſtre ſuche gyftes of grace as god hathe endewyd hym with for the preſeruacyon of man. Wherfore my frendys thynke yͭ ye may now for a lytell money haue gret lernynge ⁊ cōnynge to your honour ⁊ profyte/ the whiche herafter ye myght fortune nat to gett for ten tymes ſo moche golde as it ſholde coſte you now.

O Ye yonge begynnynge ſurgyens vncloſe your erys wͭ all your dylygence and marke well the wordes of the greate mayſters whiche cōmaunde you whan ye be called or deſyred to any pacyent or diſeaſed parſone/ that yf the dyſeas fall to your cōnynge to ponderous/ ⁊ that ye be nat fully parfyte/ than be nat aſhame/ but quicly gete another dyſcrete ſurgyen or twayn/ deſyrynge them that they wyll helpe ⁊ c[illegible]ſell you in yͤ beſynes at your nede/ for your honeſty lyeth in that cure/ ⁊ alſo the great cōforte of your pacyēt ſo dyſeaſed. ¶ Fyrſt ye lerne by chaunce/ that thynge that ye ſeldon or neuer haue ſene before. ¶ Secōdarily/ yf ought in your handes happen to myſfortune/ that yͤ other may quycly than amende it. ¶ Thyrdly/ that the wounded parſon haue yͤ leſſe grudge or myſtruſt in you. ¶ Fourthly/ whā the cure hath good ſpede/ thā be ye parttaker of al the honour therof/ ⁊ if yͤ myſfortune fall bytwene your handys/ than be they boūde euery man to bere the charge of your hynder and loſſes/ whiche were to moche for you alone. ¶ Fyftly/ for this wyſe dede ye be prayſed of all them that be diſcrete or lerned men yͭ ſpeke of you/ whiche ſay/ he deſyreth to lerne/ and wyll nat that any man ſholde be by hym neglygently ſpylt or peryſhed. and thus may ye come to your purpoſe with honeſty and pleaſure / whiche ellys myght tourne to your grete ſhame & dyſpleſure.

¶ Alſo ye maye conſydere that two maye better amende a fawte thā one / for no only workeman can wel parceyue the fawtys of his owne worke alone tyll he hath very longe wrought vpō it / or ellys nere hande fynyſhte hit / and than is it somtyme euyll & īpoſſyble to be mendyd / but pryncypally in many operacyons belongyng to ſurgery / Therfore whan ye go two or more about the pacyent / take hede that ye make no dyſcorde.:· In lyke wyſe whan any of you be preſent alone with your pacyent / blame nat the other that is abſente / nor dyffame hym nat / But what ye haue to ſaye with eche other / let that be ſecrete within your ſelfe for grewynge of your pacyente / for it myght tourne hym to greate payne & hyndraunce in his dyſeas through your dyſcōforte. The one ſhall folow the others counſell / and ye ſhall hyde nothynge from eche other that ye ſhall thynke profytable & behouefull for your pacyent or ſeke body / for that myght tourne you to ſhame / and hym to greate payne / Alſo ye ought nat only to be expert in ſurgery / but alſo in aſtronomy or phyloſophy / wherfore ye ſhall dylygently ſtudye / & often rede ſuche thynges as for you in this mater or ſcyens ſhalbe vtylle & profytable / wherby ye ſhall haue parfytte vnderſtondynge & knowlege of your noble ſcyence that ye do enterpryſe / ye ſhall for no golde nor ſyluer take in hande yͤ thynge that ye thynke is incurable / or nat lykely to be cured / for ſauynge of your good name Alſo ye ſhall nat prayſe your ſelfe / nor blame none other. Item ye ſhall alſo counforte your pacyent how ſo euer it be with hym but to his good frendys ye ſhall ſhewe the trouthe & gyue them parfyte knowlege of his dyſeas. ¶ Alſo ye ſhold knowe & vnderſtonde parfytly your Anathomia / whiche is the gaderynge and alſo yͤ dyſmēbrynge of the lymmes of yͤ body / becauſe ye ſholde preſerue man for the iopardy of dethe / yf it nede requyred that ye ſholde cut hym in any place wout doynge to hym any ſcathe and to your ſelffe an euerlaſtynge / ſhame / & grete dyſhoneſty.

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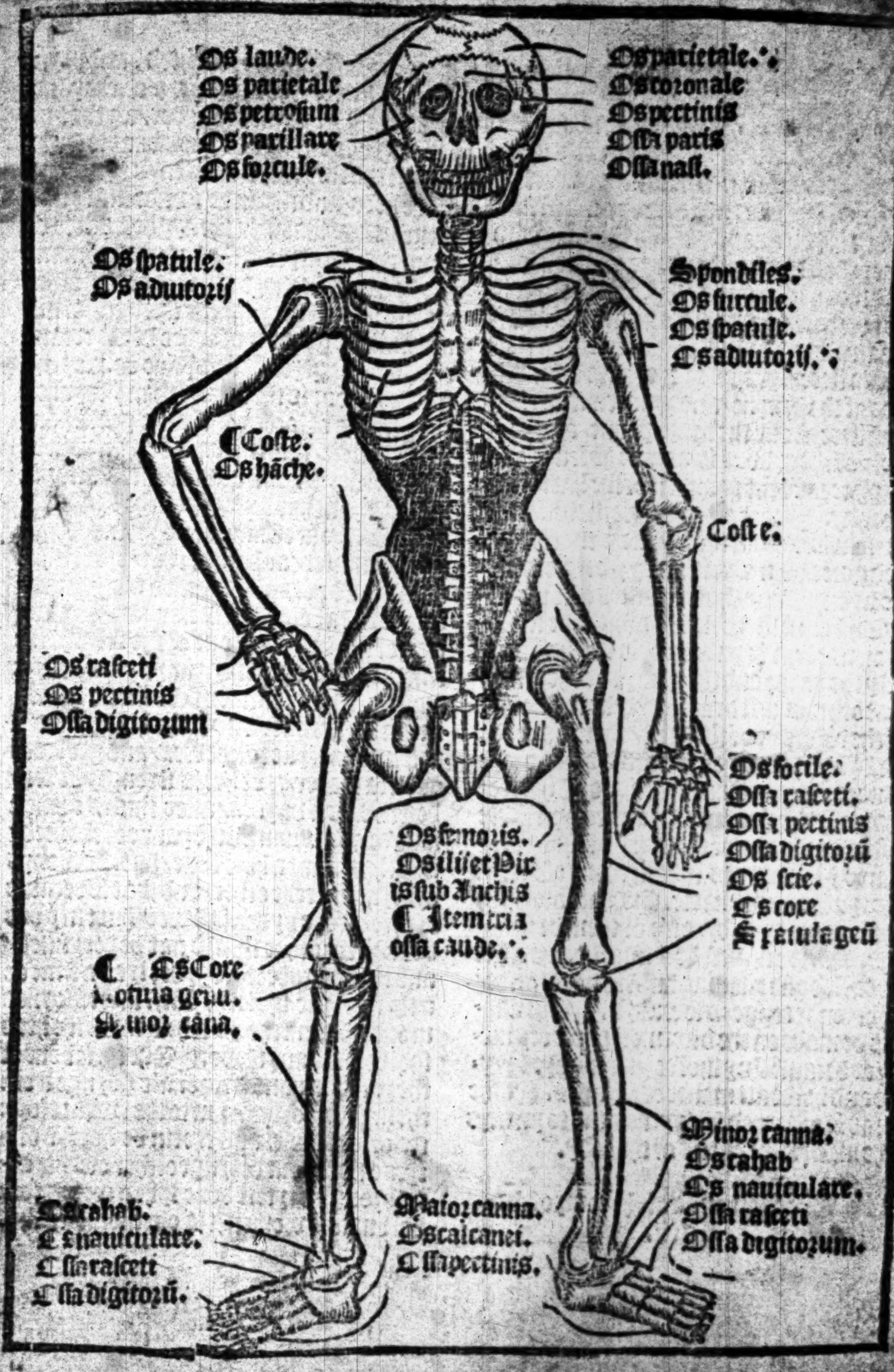
After these chaptours foloweth the Antidotharius / in the whiche thou mayſt lerne how thou ſhalt make many ⁊ dyuers noble plaſters / ſalues / powders / oyles / and wounde drynkes / the whiche be very neceſſary and behouefull / vtyll / ⁊ profytable for euery ſurgyon therin to be expert / and redy at all tymes of nede:

¶ Here begynneth the handworke of Anothomia in generall / of yͤ membres / ſkynne / fleſſhe / vaynes / ſenowys / and bonys.

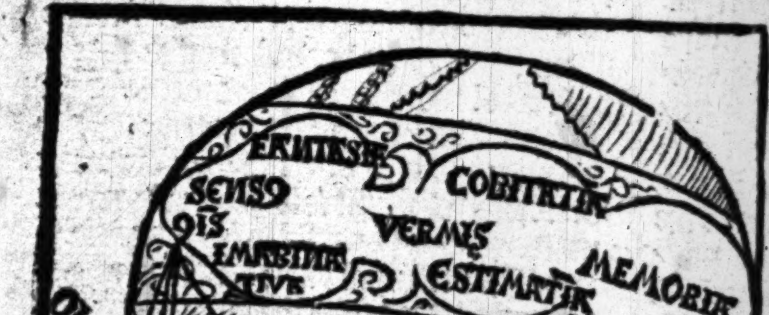

Os laude.
Os parietale
Os petroſum
Os paxillare
Os forcule.
Os parietale.
Os coronale
Os pectinis
Oſſa paris
Oſſa naſi.
Os ſpatule.
Os adiutoris
Spondiles.
Os furcule.
Os ſpatule.
Os adiutoris.
Coſte.
Os hāche.
Coſte.
Os raſceti
Os pectinis
Oſſa digitorum
Os focile.
Oſſa raſceti.
Oſſa pectinis
Oſſa digitorū
Os ſcie.
Os core
Spatula genū
Os femoris.
Os ilii et Pixis ſub Anchis
Item tria oſſa caude.
Os Core
Rotula genu.
Minor canna.
Minor canna.
Os cahab
Os naviculare.
Oſſa raſceti
Oſſa digitorum.
Os cahab.
Os naviculare.
Oſſa raſceti
Oſſa digitorū.
Maior canna.
Os calcanei.
Oſſa pectinis.

¶ The Anothomia in generall

The ſkynne is a couerynge of the hole vnyuerſall body wouen out of the vaynes & ſenewes / made foꝛ the defence of yͤ wyttes of man / and yͤ ſame ſkynne is twayne vndyfferēt. The one doth couer the vttermoſt membꝛe / & that is named the very ſkynne / The other couereth the innermoſt parte of the membꝛys and it is named panniculus / oꝛ pannycle / & that is as a flece / lyke as by the felles oꝛ chambꝛes of the bꝛayne / and pyꝛocraneum is yͤ thyn flece aboue the bꝛaynpanne / and yͤ pānycle of the rybbes is named Pleura and Siphac / and the pannycle of the harte and other. &c. ¶ Here after foloweth the fatneſſes / ſom is within the ſkynne & that is named grece / ſom is within by yͤ bely aboute the kydneys and that is named talowe ¶ Thā cometh the fleſſhe whiche be in. iij. maners / ſom is pure ſymple fleſſhe / as is only the yarde and the gōmys of the tethe / that other is as carnellys / lyke the fleſſhe of the coddys & of the bꝛeſt / the iij. is cōpꝛehendynge almoſt ouer all the hole body & is named caro plena lacertis. ¶ Than begynneth the ſynewes to take theyꝛ effecte of the bꝛaynes & of the mary of the backe / After yͤ the vaynes taketh theyꝛ effecte of the lyuer and of yͤ harte. ¶ Than foloweth the bonys of yͤ body / and of them be in nōbꝛe. CC. xlviij. beſyde yͤ ſmall bonys that be called oſſa ciſanina and the bone laude / wheron yͤ tonge is fowndyd. ¶ The nayles be made on the vttermoſt parte of yͤ mēbꝛes becauſe they ſholde yͤ ſtronghyer gꝛype and holde all maner of thynges. ¶ The hear is oꝛdeyned foꝛ faytnes and to puryfye the manyfolde partis of the body.

¶ The anothomia of the compoſyde membꝛis. Ca. ij.

Here begynneth of the heed / and pꝛyncypally of the bꝛaynes / & of the pāne that kepeth yͤ bꝛaynes togyder / foꝛ that is yͤ place & dwellynge of yͤ reaſonable ſoule and all that is heared is namyd the panne of the hede / and therin be yͤ vnderſtādynge membꝛes / & that is in the hygheſt parte of man / the quantyte of the bꝛaynes of mankynde is moche moꝛe thā it is of any other creature / conſyderynge the ſtreugth of mā agaynſt the gretnes of other dōme creatures. ¶ The ptyes of this pāne be. x. oꝛ. xi. fyꝛſt without is the heare / than yͤ ſkynne / than fleſſhe of lacertes / than a groſſe pannycle oꝛ flece / than the panne / than wͭin be ij. ſmall fleces named dura mater / and pia mater / than the ſubſtance of the bꝛaynes / and after the ſubſtance of yͤ bꝛaynes is agayne pia mater / and after that / lyath that meruelous net and is named Rethe mirabile / & thā aboue that is named the foūdacion of the bꝛaynes / out of the whiche the ſenewes take theyꝛ begynnynge. ¶ That panicle that is named of Galienꝰ pericraneum dothe couereth all the hole panne / & is ſomwhat lyke to ſenewes / and groweth of dura mater / & of her is ſtrongly bownde ſenewes & vaynes / after this is craneū founde and is named the panne of the heed / and that is nat a hole bone / but. vij. bonys oꝛdeyned to eche other / and that is becauſe of this / yf one by foꝛtune were hurt in yͤ one bone / yͤ the other ſhulde nat be peryſſhed / and they be gadered togyder lyke a ſeme oꝛ a thynge lyke the tethe of. ij. ſawes ioyned in one / to thentent that the ſome of the heed ſholde haue an yſſewe. ¶ The fyꝛſt bone of the panne is named coꝛonale goynge from the myddeſt oꝛbitarium to the twhart ioyntes of the panne / and therin be hoolys of yͤ iyen and the out berynge of the noſe / departe through a lytell bone lyke a cockis combe / but in yͤ women it is often founden that the coronale is deuyded ouerthwart in the myddeſt of the forheed. ❡ The .ij. bone is of ẏ hynder parte/ and namyd occipiciale/ ⁊ is cloſyd through a ioynte commynge ouerthwarte i lyke maner of this fygure < / ⁊ is harde/ ⁊ thrugh perſed/ wheras Nucha whiche is the mary ẏ cōmith in/ ⁊ through ẏ rydge bone or chyne to ẏ ende of the back ❡ The .iij. ⁊ .iiij. bone be in the myddys of ſydyam ⁊ be namyd Parietales/ ⁊ be deuyded through a ioynt by ẏ length of ẏ pāne commynge to the bonys of ẏ eerys/ ⁊ they be .iiij. ſquare. The .v. ⁊ ẏ ſyxt bone be called Petroſa for theyr hardnes/ ⁊ alſo they be namyd Medoſa/ ⁊ they be gaderyd wᵗ ẏ bonys by ẏ ſydes wheras the holys of ẏ eerys ⁊ the clenſynge of the breſt be in/ ⁊ be led toward ẏ commyſſure of the bone laude to ẏ myddys of the temple bonys. ❡ The .vij. is ẏ fundament bone namyd Baſſillare/ ⁊ is facyoned lyke a cradyll/ and ſupporteth all the forſayde bonys aboue the roſe of the mouth/ thus ye ſhall vnderſtande ẏ there be vij. maner of bonys in the pot of the heed whiche is all the vpperparte. thus is to be vnderſtāde that therbe .vij. bōys that kepe the braynes in./ yet there be other bonys ẏ be no pryncypallys as ẏ bone cryſte which deuydeth the noſe thryllys betwene the coronall bone/ ⁊ there be other bonys that be namyd Paria belongynge to the face/ and nat to the panne/ alſo ther be crokyd bonys vnder the bone of the eerys where as muſculus is plāted in/ which opyn ẏ Jawe bonys. ❡ The lymmys that in the inner parte of the heed be holden we can nat ſhewe parfytely with ẏ Iye nor knowe therfore we ſhall deuyde ẏ brayne panne with a ſawe roundabout ẏ heed/ and whan they lyft vp ẏ vpper parte from the neder parte/ ẏ fyrſt that foloweth is dura mater ⁊ pia mater/ and be ij. ſenowlyke pānycles/ wyndynge about ⁊ kepynge in the holl ſubſtance of the brayn/ ⁊ of dura mater groweth through the cōmiſſures of ẏ pāne pericraneū/ ⁊ of pia mater is geuyn ẏ fode of the braines/ ⁊ of hem cōmyth vaynes ⁊ vayne ſtrigys frō withinforth through ẏ holys of the vndermoſt bonys/ ⁊ wout forth through ẏ cōmyſſures of ẏ vppermoſt bonys.



❡ The knowlege of ẏ .x. wyttes .v. interyall. and .v. cōmune wyttes. as it ſhewyd i ẏ picture of the heed.:.

After pia mater foloweth yͤ ſubſtāce of the brayne/ and is ſoft whyt/ and rounde of fygure whan the addycyons be taken from her ¶ The brayne hath .iij. cellys or chambers somwhat longe/ and eche celle hath .ij. partis/ and in euery parte is a parte of our vnderſtandynge/ In the fyrſt celle is our cōmon wyttis/ as it is expreſſly ſene in this figure of yͤ heed/ ⁊ theſe be they Seynge in yͤ iyen/ Smellynge in yͤ noſe/ Taſtynge in yͤ tonge/ Herynge in yͤ eares/ ⁊ Fylynge ouer all yͤ body. In the ſecond is the ymagynacyon/ in the .iij. is wynynge ⁊ reſon/ in yͤ .iiij. is remēbraūce ⁊ memory/ ⁊ there be wayes from the one to yͤ other/ to thentent that yͤ ſpirytis may haue theyr fre courſe from one to another/ and in the fyrſt celle be more addycyons wherin is cloſyd our ſmellynge/ ⁊ therof groweth .ij. couples of ſynowes/ ⁊ they be lede to the iyes/ to the erys/ to the tonge/ to the ſtomacke/ ⁊ to other lym̄es through holys cloſyd with pānycles. ¶ By the ſecond celle marke the place yͭ is namyd lacuma/ vermiformis/ anchaformis/ and the cornell fleſſhe. And vnder yͤ pānycle is rethe mirabile yͭ only is wouen wͭ vayn ſtringis cōmynge from the hert/ in the whiche is cōprehendyd ⁊ vnderſonge yͤ quicke ⁊ vnderſtandynge ſpiritys. ¶ Fynally/ marke how that nucha or that rydge bone mary groweth of the laſt part of the brayne/ wherof pryncypally all our meuynge ⁊ vnderſtādynge ſynowys haue ther fyrſt originall begȳnyng/ ⁊ thus is yͤ Anothomia of yͤ brayn pāne openly knowē ⁊ may ſuffer many woūder ⁊ hurtis/ but yͤ neuer yͤ brayn yͤ wors. and in yͤ workynge of the heed if nede requyre yͧ ſhalt cut yͤ ſame fleſſhe of the heed accordynge as yͤ here gothe whiche way ſo euer it be.

¶ The anothomia of the face. ca. iij.

The p̄tys of yͤ face be theſe/ yͤ forheed browys/ iyes/ eerys/ templis/ chekys/ mowth/ iawys/ wͭ her tethe. ¶ The forheed hath but yͤ ſkyñe vpon yͤ muſculy/ or fleſſhe callyd lacerte/ for yͤ bone yͭ is vnder it is of the coronall bone/ and is reyſed towarde yͤ vpper table lyke a dowble bone ⁊ maketh yͤ forme of yͤ browes. ¶ The browes be made for beauty/ ⁊ ſet aboue yͤ iyen wͭ here for to defende them/ yͤ cuttynge yͭ is done to them muſt go after yͤ lenght of the body/ ⁊ nat yͤ way yͭ yͤ frounces go. ¶ The iyē be yͤ inſtrumētis of yͤ ſyght/ ⁊ be ordeyned a parte in yͤ coronall bone by yͤ bonis of yͤ tēple/ yͤ iyē be made of .vij. cotys ⁊ .iiij. humours/ The fyrſt cote is without forth ⁊ is namyd/ cōiunctiua alba/ and groſſa/ that rōneth about the iye/ and groweth of the pānycle that couereth yͤ brayn pāne/ after this there be .iij. materyall circles yͭ roune about the iye/ and becauſe they be ſo differēt of colours they be callyd yride or rain bowys/ there be .iij. of theſe cotys yͭ cōmeth from the ſyde of yͤ braynes/ ⁊ .iij. from the vtter partys/ yͤ fyrſt cote groweth of dura mater/ yͤ inner parte therof is named ſclyrotica/ yͤ vttermoſt parte is named cornea The other cote groweth of pia mr̄./ yͤ iner parte therof is named ſecūdina/ ⁊ the vttermoſt therof is named vuea/ ⁊ hath the hole of the ball of the iye. The thyrde groweth of the ſenowe optico/ the inner parte therof is named retina/ and the vttermoſte therof vpon the bryght cryſtallyn is named Aranea/ ⁊ to this be .iiij. princypall moyſtours The fyrſt moyſtour is named criſtallyna/ and it is ſet in the myddis of the iyen/ and is of colour lyke cryſtall/ and is facyoned lyke a hayll ſtone/ wherin the ſyght is pricypally foūdyd/ after yͭ towarde yͤ braynis is vitreous humour whiche holdeth ⁊ circuyteth from behynde yͤ cryſtallyn humour ⁊ theſe twayne be wōde about wͭ one pānycle in yͤ ſenewe optico/ after yͭ from befor is the humour albugyneus ⁊ yͭ is whytyſſhe/

and is concludyd betwene the webbe aforeſayd ⁊ the webbe yͭ groweth of pia mater: Galienus alegith another moyſtours ⁊ is in yͤ region of the balle of the iye/ and that is clere of a heuenly element colour and is hole ſomyſhe or ſcōmye/ and this is the cōpoſyſyon of the iye in hym ſelfe. ¶ The iye hathe cartilagꝭ aboue ⁊ vnder whiche we name the iye lyddis wᵗ here that cloſe from aboue with one muſclus/ ⁊ opyn wᵗ twohart muſclus. ¶ The noſe hath fleſſhy/ bonye/ and gryſtly partis/ the fleſſhy pte hath a ſkyñe and. ij. muſclus by eche other and the bony part hath. ij. tryangle bonis/ which corners cōmeth on the noſe ſhyttynge them on the one ſyde alonge yͤ noſe/ cōmynge downe to yͤ cheke/ the gryſtyll pte is of two maners/ the one is without that facyneth the vtter parte of the noſe/ and yͤ other deuydeth the ynner parte of the noſe thryllys. And the. ij. holys of yͤ noſe aſcend vpwarde to yͤ bonys colatorij/ ⁊ be addyd to mamillares cerebri/ where as yͤ ſmellynge hath his begyñynge/ ⁊ theſe go bacward downe to the rowſe of the mowth behynd vuulā/ through which holys is drawyn the brethynge vapour/ bothe out and in/ ⁊ the ſuperfluyte of the braynes puryfyde. ¶ The eeris be gryſtly vpō yͤ petroſū bone ordayned for to here/ to the whiche yͤ cōmeotwahrt holys vnto the ſenewes of yͤ braynes where the heerynge is/ vnder the eerys is fleſſhe lyke carnellis that maketh the puryfienge of yͤ braynes/ by the which gooth. ij. vaynes yͭ conuay yͤ ſpermatyke or ſeedly mater or ſubſtance downe to the ballockis. ¶ The temples/ lepres/ chekꝭ/ be the partys of the ſydys of the face/ and haue in them moche muſclus fleſſhe: fyrſt there be. vij. meuyng the chekys and the vpper lyppys/ after theſe be. xij. that meue the vndermoſt Jawe bone/ ſome openyng it that come from beſyde the erys/ and ſom cloſynge it/ and they come from aboue beſyde yͤ tēples bonys/ ⁊ yf they be woūdyd/ it is great ieopardy. ¶ Though it ſeme yͭ there be but ij. bonis gadered to geder aboue the noſe/ yet ſome ſay there be nyne.

¶ Ther be. v. partis of yͤ mouth/ yͤ lyppys tethe/ tonge/ rowſe/ and vuula/ yͤ whiche is a lytell deme hangynge in yͤ throte lyke the ſpynne. The teeth of the nature of the bonys/ ⁊ of them be. xxxij. that is in euery cheke bone or Jawe xvi. of the whiche ij. be named duales. ij. quadrupli. ij. canini. ij. caysales. iij. molares. ⁊ haue rotis feſtenyd in the Jawbonys/ ſome one rote/ ſome ij. ſome more. ¶ The tōge is a ſoft fleſſhy/ ⁊ ſpongy parte/ made of many ſeynowes/ ſtryngys/ ⁊ vaynes/ prīcypally ordeyned for the ſpece ⁊ fauorable taſte/ ⁊ to rule the mete in the mouth. Under yͤ tonge is a cornell fleſſhe/ where as. ij. holys lyke mouthes be in/ where the ſpetyll cōmeth out of. Behynde the tonge is the Jawfleſſhe by yͤ rowf of yͤ mouth with knotys lyke ar. and betwene thoſe. ij. hangeth vuula aforſayth/ ⁊ is ordeyned to take the ayre and to make it apte. ¶ The vpper pte of yͤ mouth is named the rowf/ ⁊ is couered with a pānycle/ ⁊ taketh his begynnynge on the forner parte of yͤ mawe or ſtomacke.

¶ Of the necke/ and backe bone. Ca. iiij.

TWo partes be in the necke/ ſom do holden/ ⁊ ſom be holden/ The holdyng partes be theſe/ ſkynne fleſſhe/ muſclꝭ/ ſtryngys/ and bonys. The ptes that be holdyn be theſe. the throte bolle or trachea/ yſophagus or meri/ that is wher the mete gothe through Epiglotū or gula/ vaynes and ſtrynges/ and a parte of nucha. ¶ Fyrſt is trachea arteria/ that is a waye of the brethe or ayre comynge frome the longues to the throte whyche is gaderyd ⁊ bounde to the ſyde of mery with a ſtronge ⁊ ſofte pānycle/ after the throte on the ſpondyles is mery/ or yſophag⁹/ ⁊ is a waye of the deſcēdyng of our fode/ ⁊ gothe from the throte to dyafragma ⁊ is made out of .ii. cotys . the innermoſt is feſtyned with yͤ ſkynne of the mouthe/ and the vttermoſt cote is feſtyned to the pānicle of the belly ⁊ is fleſſhye/ on theſe .ii. wayes on the ſyde of the mouth is Gula or Epiglotus/ ⁊ is a gryſtly parte made for the voce/ ⁊ is the place of the ſwelowynge downe .:.

¶ Here after foloweth yͤ dowble ſenowes to the ſtomacke/ and to the lymmes deſcendynge/ ⁊ agayne aſcendynge vpwarde by Epyglot⁹. After theſe be grete vaynes and ſtrynges namyd Guidegi/ or Apopleti/ or ſubetales. The deuyded ꝑtes go vpward through the ſydes of the necke vnto yͤ hyeſt partes/ ⁊ the cuttynge of theſe be very ieopdus. Spōdyle or rydge bone is al through peryd or boryd/ where as Nucha or back mary gothe through/ ⁊ there as yͤ ſenowes in the ſyde gothe vp ⁊ downe/ the backe is it that gothe from yͤ heed to the rompe bone out of many ⁊ ſtronge ſpondyles folowyng eche other for the defence of the backe mary whyche be .xxx. in nōbre. vii. in the necke.. xii. by the ſhulđs. v. by the lymmys a boue the hyppys. ⁊ after the bone callyd the holy bone/ there be .iiii. In the necke be .vii. ſpōdyles through yͤ whyche gothe .vii. cowpies of ſenowes from that parte of Nucha that gothe through it/ the whyche bere meuyng to the ſhulders/ armys/ ⁊ ſom places of the heed ⁊ necke ¶ Thus do as before is ſayde in the necke/ ⁊ worke by yͤ length for it is the ryght waye of al yͤ ꝑtes in yͤ necke.

¶ Of the ſhulders/ armys/ and the great handes. Ca. v.

DEſcendyng from yͤ necke dothe folowe a graet ryſynge lyke a hyll/ and on the hyeſt parte therof the ſhulders be platyd/ and yͤ ſhulđ bonꝭs be twayn Fyrſt behīd is one brode and thynne on the backe partye/ ⁊ on yͤ ſyde of the ioyntys it is ſomwhat longe ⁊ roūde lyke a haſt with .iii. edgys/ the fyrſt is holowe/ the other aboue croked ⁊ ſharpe lyke yͤ byll of a crane. ¶ That other bone is named Os furcale/ or the forked bone/ and is roūde ⁊ feſtyned in a holownes in yͤ vpper parte of the breſt/ ⁊ hath .ii. braūches lyke a forke/ the one gothe to the one ſhulder/ ⁊ the other gothe to the other ſhulder/ ⁊ byndyth the .ii. ſharpe ⁊ crokyd endys/ and is a hole deffence ⁊ preſeruynge of all the ſhulđ ioyntys. ¶ The parte vnder the ioyntys of the arme pyttys is made of cornell fleſſhe/ wherin is ſhewyd the purgyng of the herte ¶ Galien⁹ deuydeth the arme in .iii. great partys/ the fyrſt parte is a boue yͤ orcellys or arme pyttys. the other parte is nemyde the lytyll arme/ ⁊ the thyrde yͤ lytyll hāde. ¶ The ſtryngys ⁊ opyne ſenowys that be founde in the arme comynge to the orcellys ⁊ there be deuydyd in twayn. The one goth on the hyeſt of the armys/ ⁊ that other part to the vndermoſt parte of the armys.. The vaynes that aſcende be deuyded in braunches/ ⁊ the one goth vp behynde the ſhulđs to the heed/ the other deſcendyth ⁊ is yet deuyded in twayne other braunches/ where of the one braūche is deuyded through the arme on the vtter ſyde in dyuers placys/ ⁊ is named funis brachij/ whiche is the rope of the arme. The other braūche comyth vp through the vpper parte of the arme and is openyd ⁊ ſhewed through yͤ bendynge of yͤ elbowe/ ⁊ is namyd Cephalica or the chef vayne. From thens it comyth forthe on the hande betwene yͤ thombe ⁊ the fore fynger/ and is namyd cephalica ocularis. ¶ The other vaynes frome the orcellis that come to the vnder parte of the arme ſhewe them ſelfe in yͤ bought of yͤ arme/ and is namyd baſilica which is the vayne of the lyuer/ ⁊ from thens it deſcendyth downe betwene yͤ golde fynger and the lytell fynger/ and is namyd ſaluatella/ whan the .ij. fornamyd vaynys be in the bought of the arme/ than is there another vayne ſene betwene them bothe/ and is namyd mediana corporalis/ and thus there be in the arme .v. great vaynes/ and ſo many ſtrynges/ the whiche be very ieopardus to ſtaunche yf they were woundyd or cut. ¶ Of Nucha through yͤ ſpondiles of the neck deſcendynge to euery arme .iiij. pryncypall ſenowes/ that meue and ſtere the adiutory or lytell arme/ and out of it cōmeth .v. ſenowes into the hand that meue the fyngers/ and they ſhewe thē ſelfe openly on the thre fyngers towardes the ioyntys/ whiche is daungerous to be woūded. ¶ In yͤ armes be great ſtryngys ⁊ ſtryngys the come from the bonys goyng through yͤ ioyntys/ and kepe them ioyned/ the which were very ieopardus to be cut.

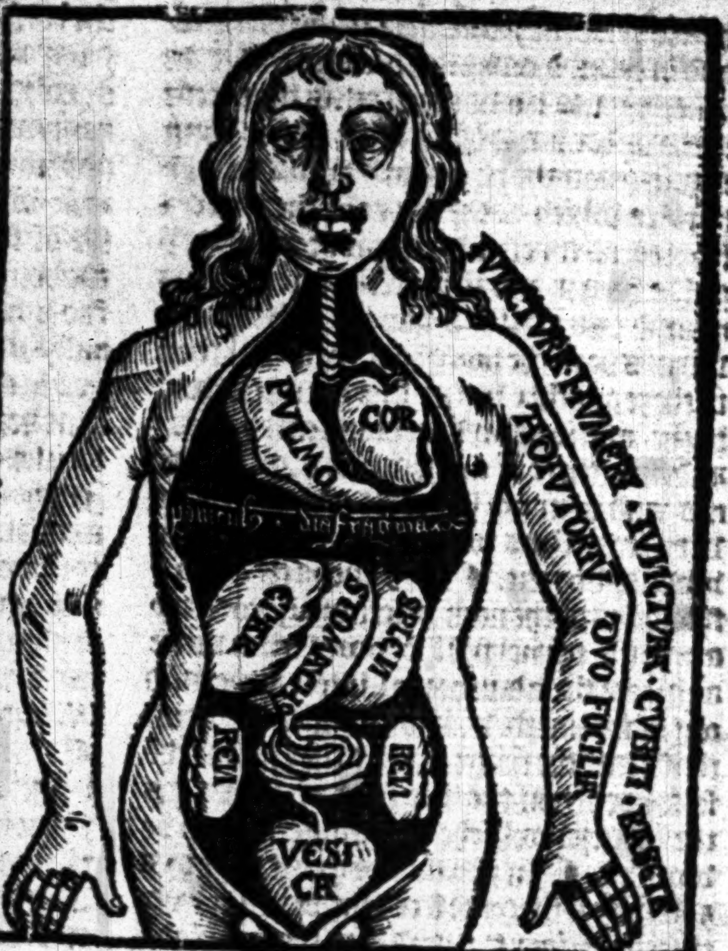
¶ The bone namyd vlna or adiutoriū/ is a great bone full of mary/ ⁊ roūde at bothe endys/ but aboue it hath but one roūdnes/ and beneth it hath .ij. ⁊ the vppermoſt goth into the holowe of yͤ gābone/ ⁊ maketh the ioynt of the ſholders/ and the nether ende whiche hath .ij. roūdnes is deuyded in .ij. and goth into yͤ holownes of the .ij. bonys that be namyd focilium/ and they make the ioyntys of the elbowes where as the lytell arme begyñeth/ in whiche lytell arme be .ij. focill bonys/ that be namyd oſſa focilia/ and the gretteſt is benethe/ and that goth towarde yͤ lytell fynger/ ⁊ ſhewe a rownde knot outwarde/ the ſmall focille bone goth aboue from the bought of the arme to the hande toward the thombe/ and in bothe yͤ vpper parte of theſe .ij. bonys be pyttes/ or holys by yͤ elbowe/ ⁊ receyue the roundnes namyd graduales/ of the bone callyd adiutorij/ by the handys they haue pyttys alſo/ whiche receyue the roundne of yͤ ioyntys of the hande/ and be feſtenyd iuſt vnto the bonys of yͤ hande makynge yͤ ioyntys/ the which ioyntys be .iij. hepys of bonys/ and yͤ vppermoſt be gadered with a roundnes in the pyttes of the nethermoſt. In the fyrſt hepe be .iiij. bonys/ for the addycion of focilles kepeth aboue the place of a bone. In the ſeconde hepe be .iiij. bonys/ ⁊ there aboue is a lytell bore wherin is feſtenyd yͤ fyrſt bone of the thombe. The bonys of the .ij. fornamyd hepys be ſhort. The fyrſt hepe is namyd raſeta/ or corpꝰ. The other hepe is named Pecten or Metacorpus.. In the .iij. hepe be .iiij. bonys longer than the fyrſt.

¶ In euery fynger be .iij. bonys/ and the fyngers be in nombre .v. therfore there be .xv. bonys in the fyngers. And in the h xi. .ij. in the lytell arme .i. in the vpper arme. And thus ther be in the hole arme and hāde .xxix. bonys. and theſe muſt be cut for to be curyd all longe ways/ lyke as the lacertes and muſclus gothe..

¶ The Anothomia of the breſt and his partyes ⁊ mēbres

Ca. vi.

⁂



THe partyes in the breſt be ſom holden ⁊ ſom that be holdē. ¶ The pappys or breſtys be made as it were a cornelly whyt fleſſhe lyke a ſponge/ made with vaines/ ſtryngys/ and ſenowes/ and therfore they haue a feſtenynge of the lyuer ⁊ of the herte. ¶ The lacertes or muſclus be many ⁊ dyuers ſom with the ſkynne named Dyafragma/ ſom do belonge only to the breſt/ ſom to yͤ rybbes/ ⁊ ſom to the backe. ¶ Ther be .iij. maners of bonys in the breſt. In the fyrſte parte be .vij. bonys namyd oſſa thoracis. Therby on the ſyde of gula is receyuyd the holowes of Fircula/ ⁊ vnder fircula by the croppe of the mawe or ſtomacke is a gryſtly addytamente namyd Cuſiformū. On the hynder parte be .xij. ſpondiles where as nucha paſſeth through/ wherof ware or growe .xij. cowple of ſenowes/ yͤ whyche brynge ſterynge and menynge to yͤ muſclus or fleſſhe of that parte. On euery ſyde be .xij. rybbes .vij. ryghtewys rybbes/ ⁊ v. mendoſa rybbes or faynt rybbes be cauſe they be nat hole as yͤ other ryghtwys rybbes be. ¶ For to do the Anothomia well of the lymmes that be holden ye muſt cut the breſt towardys the ſyde/ ⁊ put away the fyrſt parte for mediaſtum/ ⁊ than may yͤ inner parte be ſene/ of yͤ whych the herte is the fyrſte in the myddeſt of the breſt/ deſcendynge a lytell towarde yͤ lefte ſyde/ for the place of the lyuer/ and to thentent that it ſholde gyue rome or place to yͤ ſtryngys. The forme or ſhape of the herte is lyke a pyne aple/ for the poynt of yͤ herte gothe towarde the neder lymmys or membrys of the body/ ⁊ the brede of the whych is yͤ root gothe vpwardys. The ſubſtance of the herte is harde hauyng on euery ſyde a vētrycle or holownes/ and in yͤ myddyſt a pytt as Galienꝰ ſayth/ in whyche is cōſumed the groſe fedynge blode that commeth from the lyuer/ and is made pure/ ⁊ is ſent by the vaynes throughout all the partys of the body. Fyrſte to the braynes/ ⁊ ther it conceyueth a nother nature and becōmeth animalis or vnderſtādinge/ ⁊ to the lyuer where as it becōmeth naturall ⁊ fedynge/ ⁊ to the ſtonys or coddys for generacyon/ ⁊ ſo forth to all other membrys or lymmes/ ⁊ maketh them quycke or gyueth them lyf. ¶ The herte is an inſtrumēt of al powers and myghte of the body/ ⁊ a fulcomẽ bonde or feſtener of yͤ ſowle/ ⁊ in it be .ij. orificias or mowthes and through the ryght orifice cõmeth a braũche of yͤ aſcendynge vaynes/ bryngynge vp the blode frome the lyuer/ ⁊ deſcendith frome thens downwarde agayne to vena arterialis for to fede yͤ longues. ¶ Of the lyſt orifice gothe yͤ betynge vayne/ namyd vena pulſatilis/ wherof one parte gothe to yͤ longues/ and it is namyd vena venalis/ berynge the vapours capinoſos to the lõgues/ and ledynge the ayre in/ for to cole the hart with all/ vpon this orifice be .iij. pãnycles or ſkyñes opynyng and cloſynge/ the paſſage of yͤ blode. ¶ By this orifice be .ij. lytell eerys ioyned to the harte/ where as the ayre or breth goth out and in towarde the longues. Alſo ther is a lytell gryſtell bone in it for to ſtrength the harte wͭ. ¶ The harte is coueryd wͭ a ſtrõge pãnicle namyd precordiũ/ where as the ſenowes cõme to/ ⁊ be boũde wͭ yͤ longues feſtenyd/ and ſubportynge through mediaſtinũ. ¶ Vpon yͤ harte cõmeth yͤ longues fleing ⁊ wauynge for to cole it/ whoſe ſubſtance is ſpongye/ whyt ⁊ ſoft/ in yͤ whiche be .iij. holowneſſis.. The fyrſt is yͤ vaynes whiche growe out of yͤ ryght ventrycle of the harte/ ⁊ the vayne that groweth out of the lyſt ventrycle/ ⁊ the braũches yͭ cõmeth from the throthe brynge wynde or breth to yͤ harte. The longues hath .v. lobos or feders .iij. in the right ſyde/ and .ij. in the left ſyde. ¶ Behynd the longues/ after the .v. ſpondyle goth mery/ ⁊ yͤ vayne tracea aſcẽdynge/ ⁊ bothe theſe paſſe through dyafragma. Alſo ther paſſe through it mater adorthi that dothe aſcende frõ the herte/ all theſe with the veyne Trachea make a hepe fyllyd with pãnycles and ſtronge bondys/ ⁊ with caruelly fleſſhe to gula. ¶ After this be in the breſt .iij. pãnycles. Fyrſt the pãnycle that frõ within doth couere the rybbys named Pleura. The other is mediaſtinũ/ ⁊ departyth the hole carkes in bothe ſydes. The thyrde is dyafragma/ and yͭ deuideth yͤ ſpyrytuall lymmys or mẽbrys from yͤ fedynge mẽbrys/ and is made out of pleura and ſyphac/ ⁊ of the ſhort pãnycle that growyth of the ſenowes betwene yͤ ſpondyles ⁊ is moſt by yͤ rybbes/ whoſe operacyon is for to drawe the ayre to her/ ⁊ for to withdryue yͤ ſuperfluyte as Galienꝰ teſtyfyeth.

¶ Of yͤ bely ⁊ his mẽbrys. Ca. vij.

MEry is yͤ croppe of yͤ necke goyng inwardly thrugh yͤ necke/ tyll yͭ he makyth a hole through dyafragma/ wher vnto he is faſt boũd/ ⁊ dyafragma goth into yͤ laſt ꝑte of yͤ breſt there as yͤ mouthe of the mawe or ſtomake dothe ſprede hym. The worke of the ſtomake is dygeſtyon/ for it hath yͤ lyuer on the ryghte ſyde/ warmynge her ſelfe wͭ the lõbys or lymmes/ ⁊ yͤ mylt thwart on yͤ lyſt ſyde wͭ her fat vaynes for to dryue away melãcoly or heuynes/ for to lyghtẽ ⁊ releue yͤ apetite. Aboue it is yͤ gyuyng her quyknes vnto yͤ braynes for to haue yͤ vndꝰſtãdyng of felyng. Alſo it hath of yͤ backe ꝑte yͤ ſenowes namyd chylym ⁊ adorthi/ wher as it is boũd wͭ/ vnto yͤ ſpõdiles of yͤ kydnes. Vnto yͤ vndmoſt mouth of yͤ ſtomak begyñeth the guttys/ and they be in nõbre .vi. yͤ fyrſt is namyd duodenũ. for he is xij. inches lõge. and is alſo namyd portenarꝰ/ for he is yͤ vndmoſt ꝑte of yͤ ſtomake/ lyke as meri is vppmoſt. The .ij. is yliõ/ ⁊ is lõge ⁊ ſmall/ ⁊ is woũdẽ vp by yͤ backe ⁊ by yͤ lyſkes The .iij. is ieiuniũ/ for he is euer emptye/ becauſe he is ſo nygh the gall/ ⁊ ther come to hĩ yͤ ſmal vaynes miſeraice/ ⁊ he receyueth yͤ colera yͭ cõmeth betwene hĩ ⁊ portenariũ. The .iiij. is recꝰ or ſaccꝰ/ ⁊ is yͤ blynde gut/ or ſecõde mawe or moke/ ⁊ is about yͤ length of a ſhaftmẽt/ ⁊ hath .i. orificiũ to receyue yͤ hole fylthynes yͭ cõmyth of yͤ fyrſt dygeſtyõ of yͤ bowels.

The .v. is namyd Colon / ⁊ is groſſe full of holownes / wher as yͤ ſykynes receyueth her forme. The .vi. is namyd Longaon / and that is the ars gutte. ¶ The Lyuer is a place ⁊ an organ of the ſeconde dygeſtyō engendryng blode ſet in the ryght ſyde vnder the ſhort rybbes / and is formed lyke a mone / ⁊ hath .v. lytell pānys in the maner of a hāde / wherwith paſſeth aboue the ſtomake. ¶ The Lyuer with her pānycle is boūde on Dyafragma wͭ the backe / ſtomake / ⁊ gutte / and hath colligacyō with the herte / kydney / coddys / ⁊ with all mēbrys Her ſubſtaūce is red fleſſhy lyke blode that is ſtollyd or rōne / ⁊ is full of ſynewes. Of the holownes of the lyuer cometh a vayne named the gate / ⁊ is deuyded in many ſmal vaynes that be namyd miſeraice / yͭ be plātyd in yͤ ſtomake / ⁊ in the guttys / ⁊ drawe out all the moyſture of the vayne Chyli / ⁊ is deuyded with her rotys through all yͤ lyuer / and of the hyll of the lyuer cōmeth the vayne Chylis / ⁊ draweth from the lyuer all the blode that is in it engendred / berynge that blode for to ſede yͤ hole body. In the myddys of yͤ lyuer wher it is holow dothe lay a lytel bladder yͭ is namyd the gall ordeyned to receyue yͤ ſuꝑfluyte of Colera / ⁊ it hath .ii. oryfyces / one in the myddeſt of yͤ lyuer for to receyue the colera. The other gothe a lōge downe by the bothom of yͤ ſtomake / for to puryfye the guttys ⁊ to dryue out the colera. ¶ The mylt is ordeyned in the lefte ſyde ouerthwartly enbraſſynge yͤ ſtomake / ⁊ is bounde with her pānycle to .iii. rybbys wͭ her backe / ⁊ with her holownes to yͤ ſtomake The kydneys be twayne the one is ordeynid for to puryfy the blode ⁊ the watery ſuꝑfluyte / ⁊ in them is a holownes wherin they receyue ſuche as they drawe to them. In eche of them be .ii. entrees / through the one they drawe yͤ watery humour of the vayne Chyli / ⁊ allſo from the lyuer. Through the other they ſende yͤ vryn water to the bladder / and the kydnes be ioyned to the backe ⁊ be fat roūde aboute ¶ Behynde the kydnes by the ſpōdyles be the lymmes or nether rydge bones ther on reſtynge as on a quylt / or matrys. ¶ Betwene yͤ kydnes paſſeth yͤ vaynes Chyli ⁊ Adorthi to the nethermoſt lymmes / by the whiche vaynes very nyghe groweth the ſemynall veſſellys.

¶ Of the flankes ⁊ her partyes Ca. viii.

By the flankes ye ſhall vnderſtande the nether parte of yͤ bely frome the lappe to the ſecrete membrys / ⁊ be of .iii. maners / ſom holde / as myrach / Siphac / Sitbus / ⁊ the bonys / ſom be holden / as yͤ ſemynall veſſellys / the moder or matrix in a womā / the fūdament gutt / the ſenowes ⁊ vaynes yͭ cōmeth downwarde. ¶ In euery of them is a greyat bone / ⁊ they be ordeyned togyder with a great ſpōdyle namyd oſſis ſacris on the backe ſyde / and on the for parte makyng of yͤ gēnytour bone / namyd os pectinis. Thus theſe bonys go abrode ouer bothe yͤ ſydes of yͤ lymmes of the hyppes / wher through hauyng in thē great holys dothe go bothe ſenowes / vaynes / ⁊ ſtrynges / they be alſo but ſmall by yͤ ſyde of pectinis / by the ſecrete membres. In the myddeſt of thē in yͤ nether parte by the bonys or holownes / or pirides / wherin be ſtryngys of yͤ bonys. ¶ Of the lymmes yͭ be holden is fyrſt yͤ bladder / ⁊ is lyke a bagge / wherin is gadered the ſuꝑflue water / or vryne / that cometh of the kydneys / ⁊ yͤ bladder is of .ii. ſtrōge pānicles / ⁊ is round and great about the quātite of a pynte. In it be .ii. lōge wayes named porri vritides / cōmynge from the kydneys a ſyde halfe / berynge the vryne from yͤ kydneys. The necke or pype of the bladder is fleſſhy with cloſynge and oncloſynge lacertys oꝛ muſculys / goynge from the bladder beudyd through the myddys vnto the yarde of the man But in a woman without beudynge / the quãtyte of. ij. ynches withĩ her ſecrete mẽbꝛe / ⁊ through that is the vꝛyne dꝛyueth.

¶ Of the grayne oꝛ ſemynall veſſellys. Ca. ix.

THe ſemynalle veſſellys be in them ſelfe vaynes / that haue theyꝛ begynnynge by the kydneys / of the vaynes of Chyli and Adoꝛati / deſcendynge ⁊ be[illegible]e the blode to the coddes / bothe [illegible] man and womã / wherfoꝛ in the laſt d[illegible]yon the ſede is namyd ſperma / whiche is the ſede of our humayne nanature. In a man theſe veſſellys be outwardys / foꝛ theyꝛ coddys be without / and the womens veſſelles be within / foꝛ theyꝛ coddys oꝛ ſtonys be within / and by thys may be marked that this ſede hath the nature of the herte / the lyuer / and yͤ kydneys and the bꝛayne / foꝛ this cauſe / foꝛ to make dilectacyon / the ſenowes com from yͤ braynes to the ſtonys / ⁊ alſo the hole body hath felowſhyp therwith. ¶ The matrix oꝛ moder is an acker of the generacyon of mankynd / and an oꝛgan foꝛ to conceyue / whoſe maner ⁊ poſycyõ oꝛ place is betwen yͤ bladder ⁊ fũdament / and is made of. ij. ſtronge pannycles / and is rounde / and hath armis wᵗ coddys oꝛ ſtonys lyke yͤ purſſe of yͤ coddis ⁊ hath a thynge lyke a bely i yͤ myddyl and a necke holowe and ſmall at the ende lyke a mãnys yarde that is crokyd / ⁊ hath a cleft namyd vulua / and hath a pꝛepuciũ oꝛ coueryнge lyke a mãnys yarde / and is of lengthe. viij. oꝛ. ix. ynches. And though ſhe hath. ij. holowneſſys yͭ be openly knowe after the nõbꝛe of her bꝛeſtys oꝛ pappis yet ſhe hath eche deuyded in. iij. cellys / oꝛ chãbꝛes / and one in the myddys / and thus ſhe hath. vij. cellys oꝛ places of cõceyuyng She hath alſo collygacyon with the braynes / hert / lyuer / and the ſtomacke / and is bounde to the backe / betwene her and the bꝛeſtys be ioyned to gydder the mylke and the menſtruall vaynes. Therfoꝛ Ypocras ſayth that the womãs mylke is the bꝛoder of mẽſtruum. And Galienus ſayth therfoꝛ that the woman can nat haue theyꝛ coſtumable diſeas of menſtruum ⁊ gyue mylke at one tyme. ¶ Under yͤ moder is yͤ ryght fundament whiche is the keper of the ſuꝑfluyte of the fyꝛſt dyſgeſtyon / and is made of pãnycles / and is of the length of a ſhaftment / rechynge nygh to the kydneys / ſtretchynge in length nyghe to the romp bonys and the vndermoſt parte of it is namyd the ars / and the ars gut hath collygacyõ with the bladder / therfoꝛe in theyꝛ ſekenes they ſuffer wᵗ eche other. ¶ The mannys y[illegible] is a plowman of the nature of mankynd / and is alſo a waye of the vꝛyne / ⁊ is made of ſkyñe / muſclus / vaynes / ſenowes / and groſſe ſtryngys / and it is plantyd vpon the bone Pectinis / and yͤ bondys com from the bone Sacris / oꝛ holy bone. In the yarde be. ij. pꝛyncypall wayes oꝛ pypes / the one foꝛ the ſede / and the other foꝛ the vꝛyn. The ende of the yarde is namyd Ballanum ⁊ the hole is namyd mitra. The fyꝛſt ouergoynge ſkynne of the yarde is pꝛepucium / and the yarde is commonly. viij. oꝛ. ix. fynger bꝛede longe / and muſt be of reſonable bygnes / accoꝛdynge to the quantyte of the matrix oꝛ moder. Perinenium oꝛ Peritonium is the place betwene the ars and the yarde / the whiche is a ſeme that foloweth the lyne of the yarde. Inguina oꝛ lyſkes be yͤ clynſers of yͤ lyuer / oꝛdeyned in yͤ foldys of the thyges. ¶ Nates be the buttockes /

or deyned vpō ỹ bone femoris/ and is groſe lacertous fleſhe.

¶ Of the ſhynnes/ and great fete. Ca. .x.

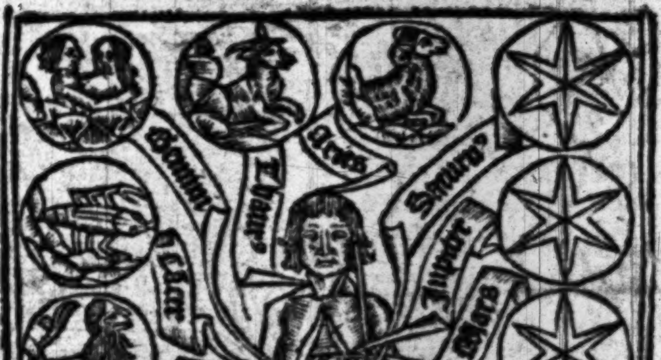
THe greate fote or the ſhynne bone contynueth of ỹ ioynte Scie/ or the thyghes/ to the vttermoſte parte of the artycles. This great fote is deuided in .iij. ỹ fyrſt is ỹ thygh the other is the ſhynne. the thyrde is the lytell fote. ¶ Whan the vaynes be deſcendyd with braunches from theyr begynnyng to the laſt ſpondyle or backbone/ thā be they deuyded in .ij. partys. The one goth to the ryght bray or thyghe/ & ỹ other to ỹ lyfte/ and comme braunchewyſe downe throughe the ſhynnes to the fete/ and make .iiij. vaynes. The fyrſt is named Sophena/ of the innermeſt holownes of the anclewe. The ſecound/ Sciatica on the vtter parte of it. The thyrde/ Poplitica betwene the great too and the other. The .iiij. is Renalis/ betwene the lytel too and ỹ other. Theſe vaynes be lett blode for dyuers dyſeaſes/ for this cauſe ther be in the ſhynnes .iiij. great vaynes that oftē tymes bryngeth in great cours of blode with peryll and Ieopardye ¶ Auicē. ſaith yͭ the ſenowes of ỹ fete cōme from ỹ ſenowes of ỹ hādys/ but they take theyr begynnynge from the laſte ſpondylle of the kydneys/ and the bone ſacri. It is to be vnderſtande that by the forme or dyſpoſycyon of muſclus yͭ woūdes by the ioyntys be peryllous/ and ſore to be ſeryd. The groſe boundys come out through ỹ ſhyftys and be openly ſhewyde from beneth by the knees and on the helys/ and in the ioyntys of the artycles/ the ſole of the fote is all full of boundes.

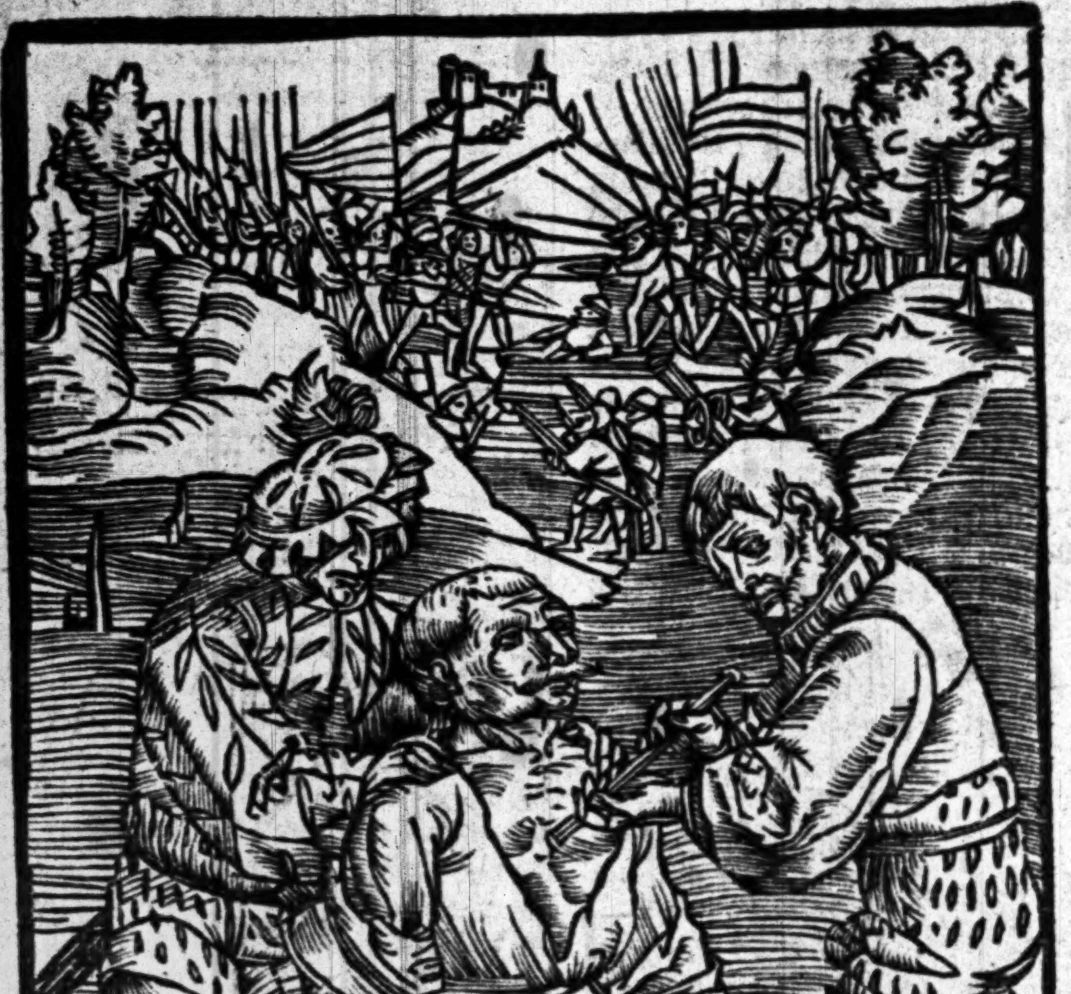
¶ Of the bonys in the greate fote. Ca. .xi.

THe fyrſte that is namyd the thygh is a great mary bone/ and rounde at both the endys. The vppermoſt roundnes is named Vertebrum/ and entreth in ỹ brode bonys of the hanches. The nether parte toward ỹ knee hathe .ii. roundneſſys/ whiche cōme in .ii. holowneſſys of the fyrſte ſhynne bone namyd Os focile/ and theron is a roūd brode bone namyd the worle bone or knee ſhyue/ and ſo is the knee full made. ¶ Than folowet h the ſhynne bone/ and ther be .ii. bonis namyd focilia/ ỹ byggeſt in ỹ former ſyde makyd the gaderynge of the ſhynnes/ and cōmeth downe from the knee vnto ỹ fote/ and maketh the anclewe on the inner ſyde. The other on the vtter ſyde lyke wyſe deſcēdynge ſhyftynge her ſelfe to the fote by the other focili bone/ and maketh ỹ vttermeſte anclewe/ and theſe .ii. ſhynne bonys make betwene them bothe one holownes/ where as the fyrſt bone of the fote is receyued in. And in ỹ fote be .iii. acyes or gaderynge of bonis In ỹ firſt acyes be .iij. bōys gadered togyder ī one rowndnes. The fyrſt of theſe .iij. bonys is namyd Cahap/ or Aſtralagus and is rounde on ether ſyde. In the vppermoſt roundnes is feſtyned in the holownes of focilium/ and ther hath the fote meuynge. In the other roundnes is feſtyned the holownes of the bone namyd Nauicularis. Than folowed incontynent vpon the fote the bone named Cahab. The bone Nauicularis is lyke a ſhyp holow on both ſydes. In ỹ fyrſt holownes is receyued the roundnes of the bone Cahap. In the other holownes commeth the roundnes and gaderynge of the bonys of the fote. Vnder theſe.ii. bonys is made the hole bone ⁊ proporcyon of the hele/ wherin is feſtynyd the hole fote/ and berythoutward behynde for yͤ great bondis that be in it. ¶ Now vndſtande that after the bone Nauiculare is incontynent the ſeconde heps of the bonys of yͤ fote/ wherin be.iiij. ſhort bonys/ of yͤ whiche the one is namyd Grandinoſum. Theſe bonys be rounde accordynge to the bone nauiculare/ and be rounde towarde yͤ thyrde hepe of the bonys. ¶ In the thyrde hepe be v. bonys lõge/ and receyuynge the articles of the toes/ whiche be alſo.v. in nombre/ ⁊ eche hath.iij. bonys ſaue yͤ great toe hathe but.ii. bonys. ¶ Thus ther be in the lytel fote.xxvi. bonys. And in the hole great fote be.xxxviij. bonys. ¶ Thus may a surgyon marke by this/ howe he ſholde breke dyſmembre/ and ioyne agayne togeder/ ⁊ amonge all other the lytell fote is moſte daungerous to dyſmembre/ and ſet agayn togeder/ and the lyghteſt is the knee/ and the myddelmoſt is in the thyghe. ⁊c

Here endyth the Anothomia of the
body of a man/ for to knowe yͤ
cuttynge/ dyſmembrynge
and ioynynge agayne

Here after foloweth the ſcience and cõnyng
of Surgery


Geminus
Thaurus
Aries
Saturnus
Cancer
Jupiter
Mars
Leo
Sol
Virgo
Venus
Libra
Mercurius
Scorpio
Sagittarius
Pisces
Capricornus
Aquarius
Luna



¶ Of the helynge of ſmall woūdis. Ca. xij.

After the declaraciō that is made of the Anathomia/ ye ſhall vnderſtand that I wyll begyñe by ordre the handworke of ſurgery/ ⁊ fyrſt I wyll begyñe with the woūdes/ that be hewyd or betyn only through the ſkyñe vnto the fleſſhe/ ⁊ how ye ſhall demeue your ſelfe to cure and hele them by the grace of god. ¶ Compelle and ioyne the lyppes of the woūdes togeder w your hande/ and lay towe therto with the whyte of an egge/ tempered with a lytell cōmon ſalt and bynd it accordynge to the nede. ¶ The woūdyd ioynt muſt reſt and be holdyn ſtyll/ for through reſt it muſt be cured or ellys other accydentis wyll put back your cure through effuſyōs or corrupcyōs of blode/ noñ other curynge is of nede ſo that the woūde be without payne and yͤ depth well dyſpoſyd/ but if there be great payne in it/ for that ſholde be a tokyn that the fas in the depth were hurt/ or the pannycle that is betwene the fleſſhe and the bone whiche couereth the bone. Marke the wordes of Guidonis that ſayth/ ye ſhall neuer begyñe to hele a woūd tyll all other īpedimētis be firſt voydyd from it/ whiche to fallyngis or accidentis happen moſt in great woundis.

¶ Of the ſtichynge or feſtenynge of great woūdis in the fleſſhe. ca. xiij.

When there come to yͤ any great woūde/ that is nat only through the ſkyñe/ but alſo through yͤ fleſſhe vnto yͤ bone/ without ani to fallyngis or accidētis. Than ſhyft the lyppes of it togeder proprly and clene/ and thā feſtyne them accordyng to theyr nede. whiche feſtenynge may happen in diuers maners wherof I wyll wryt the moſt cōmon. yf the wounde be than ſo great that that byndynge only ware nat ynough for it. Or if yͤ wounde were ouertwhart a hole [illegible]/ and that the lyppys of the wounde drew wyde a ſonder/ ⁊ myght nat be bounde togeder. Than ſhyfte yͤ lyppys or vpper parte of the woūdis togeder/ and be ware ther cōme no maner of onclennes of duſt/ here/ oyle/ nor noñ other thyng that the gadered helynge therby myght be let. ¶ Than take a iij. ſquare nedyll as the ſkyñers occopy/ and ſe that the nedyll be holowe grauen out about the iye/ ſo that yͤ threde that ſhall go therin may lay flat in yͤ holownes. The threde ſhall alſo be twyned togeder without any knottys ⁊ wared wherwith ye ſhall feſtyne/ and the feſtenynge is in .v. maners. ¶ Fyrſt the cōmon feſtenynge as to the forſayd belongeth/ is that ye ſhall ſet the fyrſt ſtiche in yͤ myddis of the woundys lyppys/ the other a fynger brode betwene euery .ij. ſtiches/ and ſo to the ende tyll there be ſtiches ynough/ but begyne neuer at the ende/ thentent that the woūde may be yͤ purer feſtenyd wout any frouūcys. Therfore yͤ ſtiches ſhal be alway adde whā ther behoueth more thā two yng

¶ Alſo ye ſhall vnderſtāde whā yͤ woūde is depe ⁊ ouertwhart/ than muſt yͤ ſtyches be yͤ deper feſtenyd for. ij. maner of cauſes/ the fyrſt is becauſe that it ſhold breſt out yͤ leſſe. the ſeconde it ſholde matter the leſſe/ and becauſe yͤ ſholde be the leſſe holownes vnderneth. ye ſhall nat nede to feſtē it depe if yͤ woūde be of length. And whā ye haue feſtenyd yͤ woūde/ ſe that ye ouer caſt your threde twyſe or ye knet the knot/ for ellys it wolde breſt out agayne or ye cowde knet it/ as I haue ſene oftyn of vnlernyd ſurgeons/ but euer kepe your fynger vpon it tyll it be faſt knet that ye be nat deceyued with one knot/ but whā it is ouercaſt as before is ſayde/ ye nede nat to fere the yeopardy. And whan that ye haue done as I haue lernyd in the ſtychynge as before is ſayd/ thā do after my coūſoll and folewe theſe noble lernyd men and ſurgeons/ as Lāfrancus/ Guido/ Guilhelmꝰ/ Placētiꝰ de ſaliceto/ do theyr cōmaūdemēt and fayle nat to bere vpō you this powder. ¶ A Powder. made of whyte franckencence. ij. partys/ dragons blode. i. parte/ and one thyrd ꝑte of lyme made of egge ſhellys/ ⁊ make all theſe in one powder/ and temper it with yͤ whyte of an egge/ ⁊ lay that on yͤ wounde with tawe/ though it haue nat bē vſyd tyll this tyme but with the whyte of an egge ⁊ ſalt. But this fornamyd powder is moche better and profitable. and this is the fyrſt maner for to ſtiche yͤ woūdis. ¶ The ſecōd maner is to ſowe ouer hande as yͤ ſkyñers do/ ⁊ that fortuneth in yͤ bowels or ſyphac ⁊ that is the call that kepe the bowels eche by other. ¶ The thirde maner is for to put the nedyll through bothe the lyppys of the woūde/ and let the nedyll byde therin ſtickynge/ and than take the threde and wynd it about both the endis of the nedyll. vi. or vii. tymes/ and let it byde ſo ſtyll as longe as it nedis/ as it fortuneth in wyde or large woundis. ¶ The fourth maner is that ſomtyme a ſtychynge or feſtynynge happeneth for to ſtaūche blode/ and that is whan ye ſe a vayne blede ſore/ as the vayne of the necke/ or yͤ woūded betynge vayne/ thruſt that vayne through with the nedyll/ and after the nedyll/ knet the vayne faſt with yͤ threde that is in the nedyll/ ⁊ than drawe the nedyll through/ and let an ende of the threde byde hāgynge at it a certeyn dayes tyll that vpper parte of the vayne doth putrifye/ and that yͤ thred go out by hym ſelf. ¶ The. v. maner hapeneth in the face/ or in ſuche place as wolde nat be ſene/ and alſo in tēder people that were nat able to ſuffer the fornamyd ſtychynges/ and eke in great woūdis that haue yͤ lyppis wyde a ſoūder ⁊ thus it ſhalbe ordered. Take lyttell lynnen cloutys thre ſquare and ſpred them wͭ this ſalue/ made of dragātū/ dragons blode/ Olibanū/ Maſticis/ Sarcocolle/ of eche one dragma. Myldust out of the myll thre dragmas. The whyte of an egge ſo moche tyll it be ynowgh. Than lay vpon euery ſyde of the woūde the pecys eueriche of them an ynche from other. And whan yͤ cloutis be well drye/ thā ſowe them or ſtyche them togeder. Thus endyth this chaptuor of the ſtichynge or feſtynge of yͤ ſmall or ſymple woūdis/ that be chaūced in the ſkyñe/ or in the fleſſhe.

¶ Of the woundys in ſenowes. ca. xiiii.

FYrſt it is to be regardyd whether the woũde be in yͤ length of the ſenowe or in the brede. Or that it is only a prycke wͭ a nedyll/ an alle/ thorne/ bodkyn or any ſuche lyke. Or that the ſenowe is ouer twhart hewed clene of/ or cut. Or that it be cut through yͤ length. Nota whan the ſenowe is hurt with a foyne/ than is the woũde cloſe. than it is nede to make the woũde wyder and put therin oyle of roſys made with oncyppe oyle olyue/ lywarmer thã he may well ſuffre it. ſo longe tyll the woũde be full. furthermore yͭ ſhall be layd to the woũde fyn turpẽtyne that is pure/ whyte/ and well waſſhed betwene. ij. clothes. and yͤ woũde and lyme about it

¶ A Salue.

⁊ ſhal be enoynted with that warme oyle of roſys temperyd with bolo armeno that it may be ſom what thycke. ⁊ therupon ſhall be layd a ſofte lynen clothe yͭ hath ben wet before in good warme whyte wyne/ ⁊ thã bynde it vp ſoftely. And if the payne do nat ceas with this at the fyrſt/ than do it oftyn yͭ it ceas for there is no better way/ though yͤ payne vanyſſh nat incõtinent. This doth Lanfrancke teſtefy/ and many other noble ſurgeons. But if the payne contynewe to longe/ than it is good be my coũcell for to take oleum roſaꝝ/ boli armeni and opium thebaicum a lytell/ and made warme/ and occupyed in the fornamyd maner. And the pacyent ſhall reſt and meue but lytell/ and kepe hym ſelfe from anger. And whãne the payne doth ceas/ and the woũde draw to yͤ draught/ Than hele it with the grene woũde ſalue and wounde drynke/ the whiche I wyll ſhewe you herafter in yͤ antithodariꝰ.

¶ Nota/ if yͤ ſenowe or yͤ vayne be hewyd/ or cut a ſõder/ thã feſtyn yͤ vayne or ſenowe in ſuche maner as the lyppes of yͤ woũdes be feſtenyd if that ye can gette the vayne wͭ woũde/ ⁊ vpon the vayne ⁊ woũde ye ſhall lay oyle of roſes made wͭ grene oyle olyue where as yͤ lytell groũde wormys be ſodẽ in/ and howe ye ſhall ſethe them ye ſhall knowe in the Antithodario/ and that ſhall ye vſe. ij. or. iij. dayes/ and on the. iiij. day take the forſayd powder that is ſhewyd in the. xiij. chapter of the feſtenynge of yͤ woũdis made in this maner. Of whyte frankẽcence ⁊c. but it were very vtyle and profytable to put amonge it the powder of dryed wormes afore namyd/ ⁊ dryed to the vttermoſt without brẽnynge. But the dryenge that naturally behouyth to the woũdis of ſenowes and vaynes as Lanfrancus/ Guido/ and Rogerius teſtefye/ is vnguentum de vermibus/ made in this maner.

A Salfe

Take lytell Centaurea Lingua canina herba/ conſolida maior/ conſolida media/ an hafull of eche/ a powunde of grene oyle olyue grounde wormes halfe a li. whytt wyne half. li. ſtampe all theſe togeder and let it ſtande ſtepynge in hymſelf. viij. dayes/ and than ye ſhall ſtampe with it. ij. li. of ſhepis talowe/ blacke pytche ⁊ roſyn/ a quarter of eche. Armoniaci/ Galbani/ appoponati/ meltyd in vinegre. v. dragmas of eche/ ⁊ ſethe all theſe togeder tyll the wyne ⁊ vinegre be conſumed/ than ſtrayne it/ and whã it is almoſt colde/ than put to them halfe a quarter of turpentyn/ frankencence/ maſtic/ ſarcocolle. iij. dragmas of eche. ij. dragmas of ſaffran/ and take a ſpatula ⁊ ſtyrre all theſe togeder/ and thus make this ſalue for it is very precyoꝰ i neceſſite. Rogerꝰ dothe put to this millefoliũ/ but Lãfrancus cõmaũdeth yͭ ye ſhall kepe yͤ woũde moyſt firſt. ij. or. iij. dayes wͭ oyle of roſe ⁊ groũde wormes whan the wounde is feſtenyd,

¶ This oyntment folowynge thou ought for to haue alway by yͤ for to anoynt about the woundis/ for all cõnynge ſurgeons vſe it for to defende all freſſhe woundis.

¶ A deffencyſe ſalſe.

And the deffencyf is made in this maner. Take.iiii. oũces of oliũ Roſarũ .ii. oũces of boli armeni/ terra ſigillata/ aſceti/ of eche of them an oũce/ camfer one dragma/ nyght ſchae/ howſe leke/ of eche an handfull. Of all theſe ye ſhall make a fyne oyntmẽt in a mortyr/ for through theſe forſayd feſtenynge of the ſenowes/ and through yͤ oyle/ powder ⁊ oyntment/ the lymme is preſeruyd helyd/ and rectifyeth. Alſo ye ſhall nat be to ſore abaſſhyd of the payn that cõmyth of the pryckynge of the nedyll/ for yͤ payne is ſwetnyd agayne with the oyle of Roſys whan it hath bene anoynted therwt iii. or. iiii. tymes. But yf the payne do nat ſeas/ that is a tokyn of the crampe or a cuttynge of the ſenowe. ¶ Now may ye reſ ue me of that I ſayd before/ that the oyle was a deffendour of the helyng of the woũdis/ becauſe I do cõmaunde here to put warme Roſe oyle in the wounde/ ⁊ alſo abuut it. But to this I anſwere/ Though Galiens ſayth that the woundes ought to be taken hede of yͭ ther cõme no here/ nor oyle/ nor other fylthenes/ Therfor I ſay that yͤ oyle of roſys muſt be made of grene or on rype oyle olyue yͭ ſemeth more a ieyſt or lycour than oyle/ and of the grounde worme the oyle receyueth a conglutinacyon. Ye ſhall neuer begynne to hele vp the woũde tyll yͤ payne be paſſyd and gone/ for if ye hele it vp or the payne be paſſyd and gone/ it is to be feared that an impoſtume and ſwellynge with great hete/ ſhall ſtryke to yͤ woũde/ and of that to fallynge it fortuneth ſotyme the loſſe of a lymme or dethe. The ſurgeon may do no better for yͤ eaſe of the dyſeaſyd ꝑſon/ but to kepe the woũded lymme from ſwellynge ⁊ great hete as it is beforeſayd

¶ Yf that the wounde done nat hele with yͤ forſayd oyle and powder/ ⁊ that yͤ woũde dyd onclose and began to matter or cõme to draught/ than ſhall ye hele the woũde wt the grene woũdis ſalue whiche I wyll ſet in the antithotarius/ and that ſalue ſhal be ſtryked vpon a lynen clothe and layde to yͤ woũde at mourne and at nyght/ and in the nedermoſt ende of the woũde/ ye ſhall put a lyttell tent/ yͭ the ſenowes be nat meuyd or touched that there come no payne of it.

¶ Yf that there were of yͤ matter to great a ſuperfluyte than make this ſalue folowyng/ the which dothe nat only purifye the woũdis of the ſenowes/ but alſo all maner of woũdes/ though it were in a depe holowe woũde/ whiche ſalue ſhalbe made in this maner. Take ſtrayned roſe hony. vi. oũcis fyne boultyd barly floure. ii. ouncis/ temper theſe togeder and ſethe them/ but loke that brẽne nat. And whan ye haue ſet it from yͤ fyre/ ſtere it well with a ſpatulum and put therto. ii. ouncis of whyte turpentyne/ or if ye fynde nõ whyte/ than waſſhe it in colde water tyll it be whyt/ but for that cõmon water I haue takẽ one of theſe water that I coude get beſt/ as Sanicle water/ ſmall planteyn water/ conſolida minor water/ ſidou watꝛ roſe watꝛ. ⁊ whã yͤ woũd leuyth of matterynge ⁊ wyll drye/

¶ A ſalue.

Thã tãke of yͤ forenamyd ſalue. iiii. oũcis whyt frankencens dragons blode/ maſtic/ ſarcocolle/ a dragma of eche/ temper them all togeder/ and lay it to the wounde as before is ſayd. tyll it be hole/ and alway lay aboue the woũde tow/ ſtepyd in ſtronge whyt wyne/ well warm/ ⁊ that defẽdyth the woũde from all accedentis/ payne ſwellynge and hete/ ſpecyally whã in the wyne is ſodyn Conſolida maior mouſeer with yͤ gelow floures/ and ſent Johñs wort with the brod leuys. ¶ Yf the cõmon paynes be hurte that be namyd vene or arteria whiche be the betynge vaynes/ They may ſo ſore hurt that they ſhall neuer be helyd trwly/ as ſome doctours ſay/ But that fortuneth whan̄e they be wou̅dyd ouertwhart/ But ⁊ they be hurt in length/ they may be helyd truly/ as it is opynly ynoughe knowen by the veynes ẏ be let blode/ whiche be helyd in fewe dayes without dryenge powders. But to hele the wou̅dyd veynes is done wͭ the fornamyde powder that is made of the dryed ground wormys named Lombrici/ and that layde in the wounde/ and the forſayde roſe oyle ſoden with the grou̅de wormys layde warme vpon it with cotton.

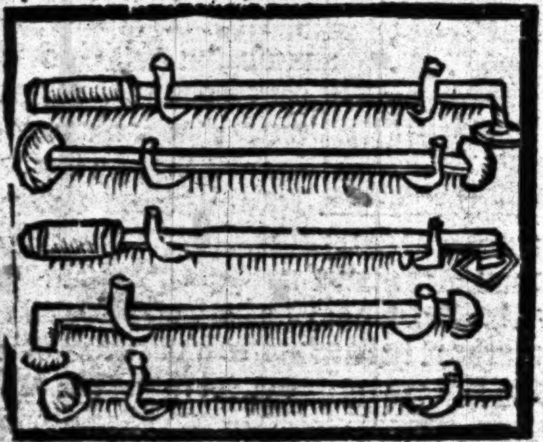
¶ Hereof I haue had moche profyte/ ⁊ alſo ſene it of many good mayſters/ thoughe ẏ ſom ſaye that ẏ wormys ſholde be brent to powder/ but it is nothynge ſoo/ but they ſhalbe dryed in an ouyn where as ẏ brede is drawen out of tyll ye may braye them to powder/ For whā they be brent to powder they leſe theyr ſtrenght of theyr cōglutinacyon or gaderynge togeder of fleſſhe/ But they gader ẏ ſkyn̄e to ſone togedˀ/ ẏ whiche to ẏ greued ſenowes is no nede. This fortuneth alſo in ẏ ſalue aforſayd of the ſayde wormes/ as Lācfrācus ⁊ Guido teſtefied.

¶ To ſtaunce blode in the woundyd veynes. Ca.xv

If it fortuneth ẏ vene capillares/ whyche be the ſmalleſt veynes/ or vene maiorum/ whiche be the gret blode vaynes/ or arterie/ that be the betyng veynes were hurte/ and dyde blede ſore/ thān̄e is it nedefull that ye beholde the maner of the woundyd man/ the complexcyon/ the age/ ⁊ the ſtrength of youthe/ ſpecyally ye muſt marke yf he haue moche blode in his body/ than let ynough go out of it/ yf ye be called therto betyme. But yf ye cōme nat in tyme by hym/ ſo that he through fawte of blode ſholde become faynt ⁊ feble/ thā marke yf ẏ blode cōme from venis capillarib9/ for they be vaynes as ſmall as heer/ yf it ſo do/ thā after ẏ ſtitchynge of ẏ wou̅de/ it is ſuffycyent to laye to it/ the whyte of an egge with towe ⁊ with the powder afore namyd/ for that powder ſtauncheth blode and cōglutineth the lyppys of ẏ wou̅de togeder. Whā the blode cōmeth from the great vayne named vena maioru̅/ thān̄e it cōmyth ſlowly forthe/ ⁊ it is groce/ and enclyneth hym to a purpre colour/ blackyſſhe/ ⁊ whā it is nat ſtau̅ched/ it is dedly/ for the blode is ẏ treſour of the lyfe. And Auicēna wryteth that yf ẏ wou̅dyd ꝑſone haue any of theſe chau̅ches/ that is to ſaye Spaſmus whiche is ẏ crampe/ or Cincopis that is the ſwowyng it is a ſuſpecte tokyn or ſygne/ Alſo whā ẏ blode commeth from the arterie/ whiche is the betyng vayne/ ye ſhal knowe it by this tokyn/ for the blode commyth ſpryngynge out/ lyke as the vayne cloſyth and openꝫ. If it be nat ſtaunchyd lyghtely/ the woundyd parſon bledyth hym ſelfe to deth. Therfor it is nat ynough alway to vſe the fornamyd ſtaunchynge of blode. But this veyne behoueth a mighty ſtrōge ſtau̅chyng of blode/ ⁊ ẏ may be done in .ii. maners. Therfor we can nat vndˀſtāde ẏ ẏ blode of ẏ wou̅de cā be ſtau̅chyd only wͭ the drynes ẏ be layd to ẏ wou̅de as it is afore ſayd. But ye ſhall haue therfor a rule/ wher wͭ the cowrs of ẏ blode may be holpen ⁊ ſtoppyd/ ⁊ ẏ in many ſondry wayes/ ſomtyme it fortuneth that it wyll be holpen with byndynge of the contrary ſyde ouer agaynſt ẏ woundyd place/ ſomtyme with rubbynge/ ſomtyme with lettynge blode in another place/ ſomtyme wͭ boringe/ ſomtyme with ymagynacyō/ that the wou̅dyd parſon doth ymagyne or thynke that he bledid no more. ¶ The ſecōd rule or maner is how ye ſhall vſe the vtter more dryenge/ namyd the localia/ ⁊ howe it ſholde be layd vpon the woũde and vayne/ and this is of dyuers maners occupied ⁊ rulyd/ ſomtyme with noyſe that cauſeth one to ſterte for fere that the blode rõneth or congelyth/ or the dryenge be layd to it/ ſõtyme it dryeth with faſtynge of the vayne with the nedyll or the trede/ ſomtyme with brẽnynge ⁊ with other wayes as ye ſhall here. ¶ whan ye haue dreſſyd a woũde wᵗ the drynke ſubſtances afore namyd/ ⁊ that it wyll nat ſtaũche/ than it is neceſſarie for to remedy the cowrs of yͤ bledynge/ in this maner/ ye ſhall bynde and rubbe the cõtrarye parte as if the ryght hande dyd blede/ than ye ſholde rubbe the lyft arme well vp and downe/ and after that rubbynge bynd it wᵗ a wollen ſelueege of clothe to tentent that the blode may rõne to ſocour the place that is ſo ſore boũde bycauſe that the other place ſo bledyng may ſtaũche/ but nat fully/ for if it were hole ſtoppyd/ the lyme or place myght waxe ſtyffe and leſe his felyng and be as deed. And thus may ye do from yͤ lyft hande to the ryght/ and frome yͤ ryght ſyde of the heed to the lyft fote/ and in yͤ ſame maner may be done with boryng ⁊ fleemynge/ alſo with cloſynge of the woũdyd parſon or with ſettynge at wyndow ⁊ his heed outwardis that he ſe no maner of redde/ and ſay alway to hym that he bledyth nomore/ than ye dyde fleem hym or let him blode for his helth. And thus is yͤ naturall ſtrẽgth enforcid/ ⁊ blode ſtaũched through the contrarye ymagynacyon/ and this is yͤ fyrſt maner for to ſtaũche yͤ flode of bledĩg

The other maner or rule is how ye ought to order your pacyent in the localia/ that is in the layinge on of the dryinge ſubſtance or ſyccatyf without with the hand. And this is done in many maners. ¶ Galien̄ in quito terapẽti/ Lanfrancus of myllayne/ Guido/ conclude all togeder that in the cours of the blode whiche can nat be ſtaũched wᵗ the forſaid myſterijs/ than lay your fynger ſofth vpon the mouthe of the woũde of the vayne/ holdynge it ſtyll tyll yͤ blode do cõne or gely/ or ye lay any drynes or ſyccatyf to it. The other maner or rule is yͭ ye ſhall haue alway by your powder that of their owne nature doth ſtaũche or reſtrayne the blode/ ⁊ that the powder haue in hym ſelfe ſuche ſtrength that whan it towcheth the vayne/ that it therwith may cloſe/ which ſtrength is namyd ſtiptica/ and that cauſeth alſo the fleſſhe to growe. Another maner folowynge/ is that if ye cane get yͤ vayne by the ende and feſtene it/ as it is ſhewed before in the .xiiij. chaptre. Another maner to brẽne the ende of the vayne that it may haue an eſtra which is a ſkurffe or ſhrynkĩge togeder/ ⁊ that is in .ij. maner of waies.

¶ The fyrſt is done wᵗ ſharp dryẽges or cyccatyffes/ as wᵗ vitriole/ brẽt or onbrẽt/ or ellys wᵗ vnſlycked lyme. The ſeconde wᵗ a brẽninge yrõ or golde whiche belõgeth to yͤ vayne/ as ſayth Aui. The hote cauteriũ ſhalbe done in this maner wᵗ a hote brẽnynge yrõ ⁊ yͭ it be depe to thẽtent it may make a gros eſtrã or ſkurffe/ whoſe offallyng be nat heuy. The cauterys or yrõs yͭ ye brẽne wᵗ be figured here vnderneth/ and ye nede nomore inſtrumẽtis than here be figured/ for ouer many doth trouble.



¶ Theodoric⁹ prayſeth Arcenicũ ſublimaticium in ſuche brẽnynge/ for that ſtoppeth all great flode of yͤ blode/ ⁊ alſo it maketh a lõge durynge eſcram or ſcurffe. Another is that ye muſt lay that lym̃e right that it hange nat as nere as it is poſſyble. Alſo if it hath bled moche before/ take it nat of in iij. or foure dayes tyll yͤ vaine be ſomwhat helyd. And take your byndingis of wyſely and nat recheleſly leſt ye hurt the vayne ⁊ cauſe it to brẽne vpon a freſſhe. ¶ If that yͤ ſyccatyffes or byndynges be taken to it/ thã ye ſhall lay wete thinges to it an howor of twayne becauſe ye ſholde nat hurt your pacyent/ nor trowble your ſelf/ ⁊ ye muſt do it thus/ take the whyte of an egge/ and oyle of Roſes well betyn togeder/ and lay yͭ to it/ or ellys take a fayre lynen clowte ⁊ depe it in wyne and lay that to it. Another maner of dryeng as this/ ye ſhall lay your fynger vpon the mouthe of the vayne tyll the blode be ſomwhat ronne that it be thycke/ and than muſt ye haue a powder

¶ A ſiccatyf powder

Made of pure whyt frãckencens. ij. partis ⁊ Aloepaticum. i. parte/ temper this powder with the whyte of an egge as thycke as hony/ and depe therin whyte haers heer yͭ is cut ſmall and lay that to the woũde or vayne/ for that dothe nat only ſtaũche the blode/ but yt helyth alſo the arteries/ as Lanfrancus of melan hath often tymes prouyd/ as he wryteth in the chapter of yͤ ſtaunchynge of woundes/ that a chylde of iij. yere olde hauynge a knyf in his hande/ and fell vppon it and ſo hurte hym ſelfe in yͤ throte/ ⁊ vnwares he com by the chylde whiche all redy had loſt his ſight/ and the blode dyde rõne whyte out of vaynes/ and his puwlce dyde bete but fayntly/ and he layde incontynente hys fynger vpon the mowthe of the wounde that there myght nomore yſſowe out the wounde/ and with in a lyſtonde the nature was reconfortith/ and yͤ poulce began to bete agayne/ ⁊ the iyen begãn to opyn/ than dyde he laye the fornamyd powder vpon the wounde/ and vpõ that he dyde lay tow depyd in yͤ whyte of an egge/ and he commaundyd to gyue yͤ chylde a morſell of bred ſtepyd in water/ ⁊ the nexte daye the chylde was well ſtrengthyd/ yet he vnbounde nat the bounde tyll the fourthe daye after/ and on the. iiij. daye the drynes or cyccatyf was ſo harde backẽ there to/ that he cowde nat well gett it of. Thã he dyd laye to it the whyte of an egge ⁊ oyle of roſis betyn togeder as afore is ſaid and dyd let it laye vpon it tyll the next daye and than was the woũde clene hole/ wher of all the people therabout had great meruell. ¶ If the blode wyll nat ſtaunche with ſuche cyccatyffes through any accydentys or tofallynges/ thã muſt ye worke with ſuche ſharpe ſerynges or brennynges as is before ſpecyfyed. ¶ Alſo another ſtaũchyng takyn by the inſtruccyõ of Auicenna/

¶ A cyccatyf powder

Take onquenchyd lyme/ dragõs blode aloes ſuccotrini/ of eche a lyke moche/ and therof a powder made/ and vſyd as yͤ other before. ¶ If ye wyll haue another that dryeth and reſteyneth more.

¶ A powder.

¶ Take a great gall apple/ dragõs blode boly armeni/ frãkẽcẽce/ aloepaticũ/ maſtic of all theſe a lyke moche/ and therof a powder made/ and to it/ putte the quarter of as moche whyt harys heer that is cutte ſmall/ and that occupyed in the forſayde maner. ¶ Another powder that Rogerius/ ⁊ Iamerius vſyd/ yͤ whiche doth nat only ſtaũche the blode but alſo it dothe drye ⁊ hele.

¶ A Powder.

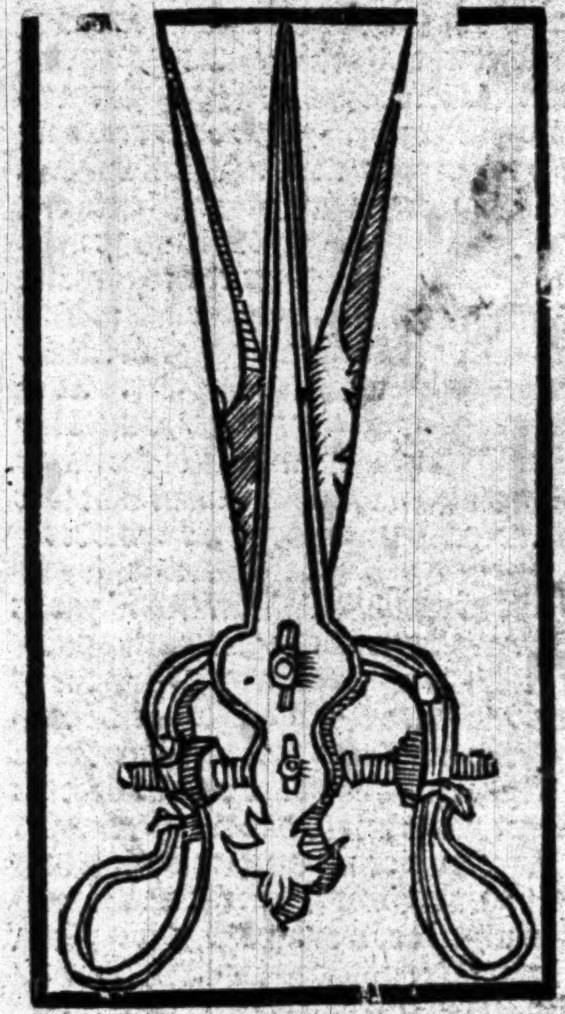
Take grekis pytche. vi. oũces/ boli armeni. iij. oũces maſtic/ dragõs blod/ ⁊ olibani an oũce of eche/ yͤ rote of cõſolida maior/

roſes of eche an half ounce/ of all theſe make a fyne powder/ and vſe it as before is ſhewyd. After this I wyll ſhewe you of many and diuers powders at more layſer in yͤ Antithodarius. ❡ Of all the ſtaunchyngys of blode that euer I ſe/ I neuer ſawe none better than one ſtone that is broughte out of ſpayne or galiſce nat far frō yͤ waye to ſaynt Iamys whiche I vſyd/ ⁊ as ſone as I towched the mowthe of the wounde or vayne/ it ſtaunchyd and cloſyd/ butt I toke alſo of yͤ ſame ſtone puluerysed ⁊ ſtrewed that powder rounde about it in the mean ſeaſon that yͤ ſtone was in it/ ⁊ whan I wolde occopy it agayn/ thā dyd I pullyſſhe the ſtone clene of yͤ olde blode/ yͭ it was freſſhe agayn. ⁊ alſo. ij. ꝑtys of this powd̄ myxed amonge one parte of the other and ſo vſyd hath done me great pleaſure at my moſt nede ⁊ is very profytable/ this ſtone is ſomwhat pale whyt/ and hath ſomtyme in it ſmall rede vaynes/ and is namyd of yͤ pelgrymes the blode ſtone/ but it is nat the ſtone Iaſpis nor Ematites/ and whan the blode is ſo ſtaunchyde/ the wounde helyth as before is ſpecyfyed.

❡ Of the woundes where thornys ſplētys/ or ſuche lyke be in.

Ca. xvi.

IF nowe there were no vayne hurt nor no flode or courſe of blode/ ⁊ that there were betwene the ꝑtys of yͤ woūde a pece of a bone/ a pece of yͤ arowe/ thorne/ a ſplynter/ ⁊ that the wounde were to narow. Thā it is nede for you to cut or make the mowthe of it more wyder/ ⁊ that in two maners. ❡ The fyrſt with a tente made with yͤ rote of gencyane/ or pyth of eld̄ or of a twēte pece of a ſpōge boūde hard w͞ a threde and dryed vpon an yron/ and thā the threde taken of agayn/ and here of make tentys/ one ſmaller than another/ ⁊ occopy them tyll ye haue made the wounde as bygge as nede requyreth/ or as ye deſyre.



❡ The ſecond maner is/ that ye ſhall cutte the wounde wyder with a payre of cyſars or with ſheres ther to belongynge/ as here is fygured/ but that is dredfull to the woūdyd ꝑſon for to beholde. Therfore it is my counſell for to occopy the fornamyd tentes.

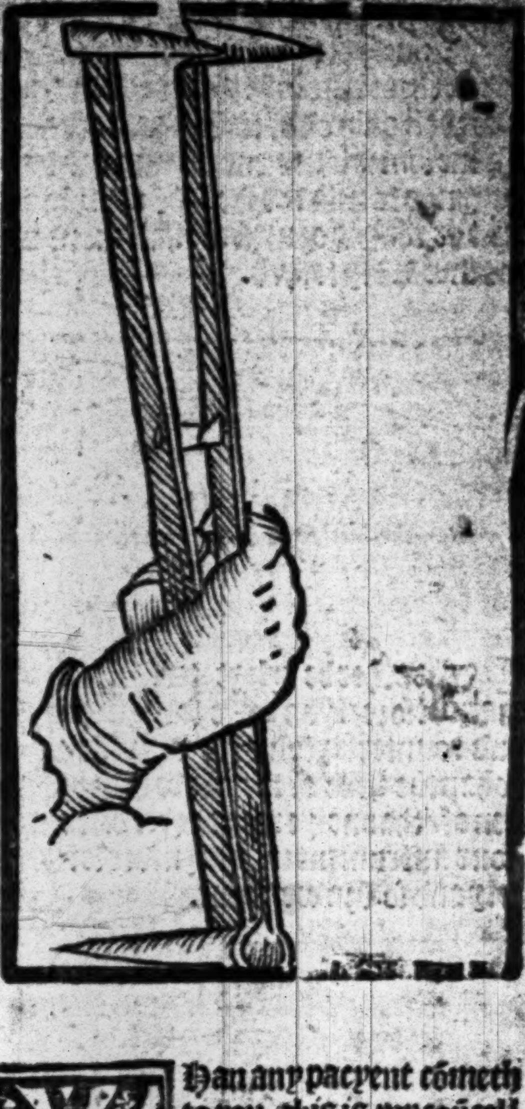
But if thoſe cã nat eaſ/ ⁊ yͭ yͤ diſeaſyd ꝑſone cã nat foꝛ great feer abyde yͤ cuttyng/ Thã muſt ye make this ſlepe dꝛynke and geue it hym to dꝛynk/ wherof he ſhall fall in ſlepe and ſele nother cuttynge noꝛ payne/ ⁊ thus muſt yͤ make it.

¶ A ſlepe dꝛynke.

Take yͤ rote of Solatrũ moꝛtale/ ⁊ ſemen iuſqami of eche an oũce/ whyte popy ſede/ ⁊ blak popy ſede/ opiũ thebaicũ a dꝛagma/ croci oꝛiẽtalis/ coꝛticis mãdꝛagoꝛa/ lignũ aloes/ Cinamomi/ Caſtoꝛiũ/ a dꝛagma of eche. And of all theſe make a courſe powder/ and of this powder take .ij. dꝛagmas and [illegible] it with malueſye/ ⁊ geue it hym at a dꝛaght. And whã he is in ſlepe than cut vp the woũde as moche as nedyth tyll it be wyde ynough. Thã dꝛawe out ſuche thynge as is in it with thy fyngers oꝛ wͭ nipers. In the ſame maner gõne ſtonys/ wͭ nypers oꝛ pynſons and other inſtrumentis as here after is moꝛe playnly expꝛeſſyd/ And whã thou wylt haue hym wakend agayne thã put a pece of a ſponge in his noſe/ that hath ben wet in vinegre oꝛ in yͤ Ioyſt of Rewe oꝛ fenell/ and ther wͭ all he wakeneth agayne. Sõme geue hym Opiũ alone without any other thynge therin tempered/ but beware therof/ foꝛ ſõme become frantycke oꝛ made therof/ thus it is very daũgerous.

¶ If that the woũdis were made wyde with the tentis oꝛ with the cuttynge ⁊ that they were nat wyde ynough/ and that ye durſt make it no wyder wͭ cuttig through fear of dethe/ oꝛ leſynge of a ioynte/ than put into the woũde this inſtrumẽt baliſta yͭ is here fygured/ wherwͭ ye ſhall enlarge it/ and than ye may put your Inſtrument into the woũde and take out that is in it.

¶ The pullynge out of arowe hedes/ gõne pyllets/ and other lyke.



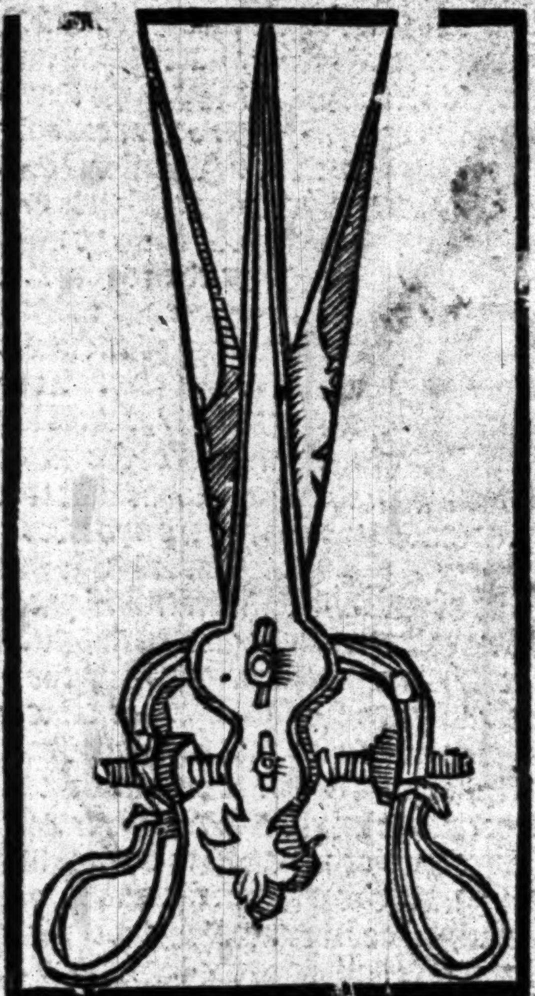
WHan any pacyent cõmeth to you/ this is my coũcell that ye demaũde of hym/ howe and in what maner this chaũce dyde foꝛtune hym/ in what maner and foꝛme that this is ſhote oꝛ other wyſe cõme to hym/ as of yͤ thynges yͭ therin be remayned/ lyke glaſſe/ yꝛon/ thoꝛne/ arow hede/ oꝛ other diuers thynges/ ſome be ryght/ ſomme croked/ ſõme rounde/ ſõme hoked/ ſomme ſquare/ ſõme triangled/ ſõme holowed where tymber hathe ben in/ ſomme venymed/ and ſõme nat venymed.

toſes of eche an half ounce/ of all theſe make a fyne powder/ and vſe it as before is ſhewyd. After this I wyll ſhewe you of many and diuers powders at more layſer in yͤ Antithodarius. ¶ Of all the ſtaunchyngys of blode that euer I ſe/ I neuer ſawe none better than one ſtone that is broughte out of ſpayne or galiſce nat far frō yͤ waye to saynt Iamys whiche I vſyd/ ⁊ as ſone as I towched the mowthe of the wounde or vayne/ it ſtaunchyd and cloſyd/ butt I toke alſo of yͤ ſame ſtone pulueryſed ⁊ ſtrewed that powder rounde about it in the mean ſeaſon that yͤ ſtone was in it/ ⁊ whan I wolde occopy it agayn/ thā dyd I pullyſſhe the ſtone clene of yͤ olde blode/ yͤ it was freſſhe agayn. ⁊ alſo .ij. ꝑtys of this powd̄ myxed amonge one parte of the other and ſo vſyd hath done me great pleaſure at my moſt nede ⁊ is very profytable/ this ſtone is ſomwhat pale whyt/ and hath ſomtyme in it ſmall rede vaynes/ and is namyd of yͤ pelgrymes the blode ſtone/ but it is nat the ſtone Iaſpis nor Ematites/ and whan the blode is ſo ſtaunchyde/ the wounde helyth as before is ſpecyfyed.

¶ Of the woundes where thornys ſplētys/ or ſuche lyke be in.

Ca.xvi.

If nowe there were no vayne hurt nor no flode or courſe of blode/ ⁊ that there were betwene the ꝑtys of yͤ woūde a pece of a bone/ a pece of yͤ arowe/ thorne/ a ſplynter/ ⁊ that the wounde were to narow. Thā it is nede for you to cut or make the mowthe of it more wyder/ ⁊ that in two maners. ¶ The fyrſt with a tente made with yͤ rote of gencyane/ or pyth of elō or of a twēte pece of a ſpōge boūde hard w a threde and dryed vpon an yron/ and thā the threde taken of agayn/ and here of make tentys/ one ſmaller than another/ ⁊ occopy them tyll ye haue made the wounde as bygge as nede requyreth/ or as ye deſyre.



¶ The ſecond maner is/ that ye ſhall cutte the wounde wyder with a payre of cyſars or with ſheres ther to belongynge/ as here is fygured/ but that is dredfull to the woūdyd ꝑſon f

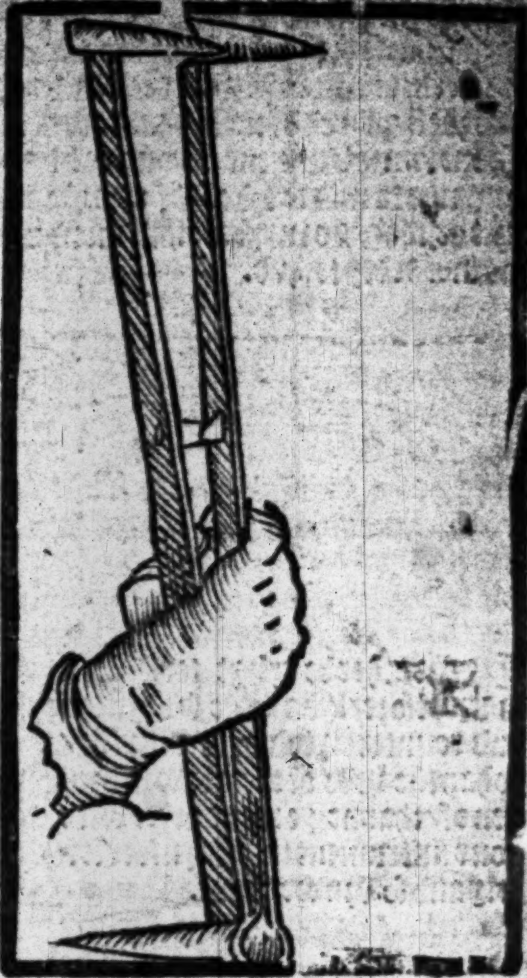
counſell fo

But if thoſe cā nat eaſ/ ⁊ yͭ yͤ diſeaſyd ꝑſone cā nat foꝛ great fere abyde yͤ cuttyng/ Thā muſt ye make this ſlepe dꝛynke and geue it hym to dꝛynk/ wherof he ſhall fall in ſlepe and fele nother cuttynge noꝛ payne/ ⁊ thus muſt yͤ make it. ¶ A ſlepe dꝛynke.

Take yͤ rote of Solatrū moꝛtale/ ⁊ ſemen iuſchami of eche an oūce/ whyte popy ſede/ ⁊ blak popy ſede/ opiū thebaicū adꝛagma/ croci oꝛiētalis/ coꝛticis mādꝛagoꝛa/ lignū aloes/ Cinamomi/ Caſtoꝛiū/ a dꝛagma of eche. And of all theſe make a courſe powder/ and of this powder take. ij. dꝛagmas and ſethe it with malueſye/ ⁊ geue it hym at a dꝛaght. And whā he is in ſlepe than cut vp the wōūde as moche as nedyth tyll it be wyde ynough. Thā dꝛawe out ſuche thynge as is in it with thy fyngers oꝛ wᵗ nipers. In the ſame maner gōne ſtonys/ wᵗ nypers oꝛ pynſons and other inſtrumentis as here after is moꝛe playnly expꝛeſſyd/ And whā thou wylt haue hym wakend agayne thā put a pece of a ſponge in his noſe/ that hath ben wet in vinegre oꝛ in yͤ Ioyſt of Rewe oꝛ fenell/ and therwᵗall he wakeneth agayne. Sōme geue hym Opiū alone without any other thynge therin tempered/ but beware therof/ foꝛ ſōme become frantycke oꝛ made therof/ thus it is very daūgerous.

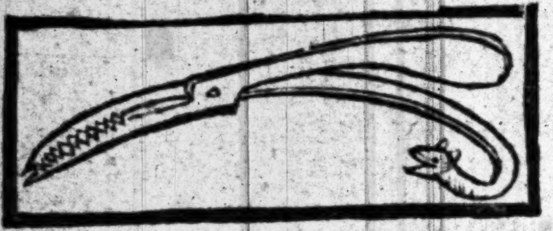
¶ If that the woūdis were made wyde with the tentis oꝛ with the cuttynge ⁊ that they were nat wyde ynough/ and that ye durſt make it no wyder wᵗ cuttīg thꝛough fear of dethe/ oꝛ leſynge of a ioynte/ than put into the woūde this inſtrumēt baliſta yͭ is here fygured/ wherwᵗ ye ſhall enlarge it/ and than ye may put your Inſtrument into the woūde and take out that is in it.

¶ Of woūdis ſhot with poyſoned arow hedis and other thyngis. ca. xvij.

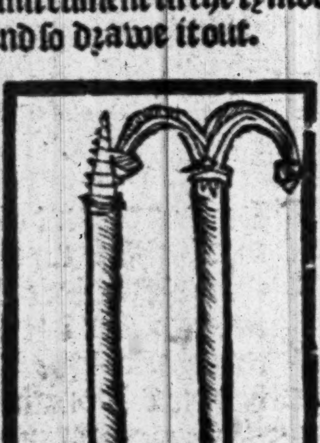


WHan any pacyent cōmeth to you/ this is my coūcell that ye demaūde of hym/ howe and in what maner this chaūce dyde foꝛtune hym/ in what maner and foꝛme that this is ſhote oꝛ other wyſe cōme to hym/ as of yͤ thynges yͭ therin be remayned/ lyke glaſſe/ yron/ thoꝛne/ arow hede/ oꝛ other dyuers thynges/ ſome be ryght/ ſomme croked/ ſōme rounde/ ſōme hoked/ ſomme ſquare/ ſōme triangled/ ſōme holowed where tymber hathe ben in/ ſomme venymed/ and ſōme nat venymed.

Som ſtycke faſt in the fleſſhe/ ⁊ ſom in the bone/ ⁊ ſom ſo depe in the body that it gothe almoſt through bothe the ſydes. And whã ye be well aſſured of theſe/ than it is nede yͭ ye haue ſom inſtrument in your beſynes belongynge to this worke. Of the whiche yͤ fyrſt be tonges or nypers/ half mone wyſe and inwardly tothed.



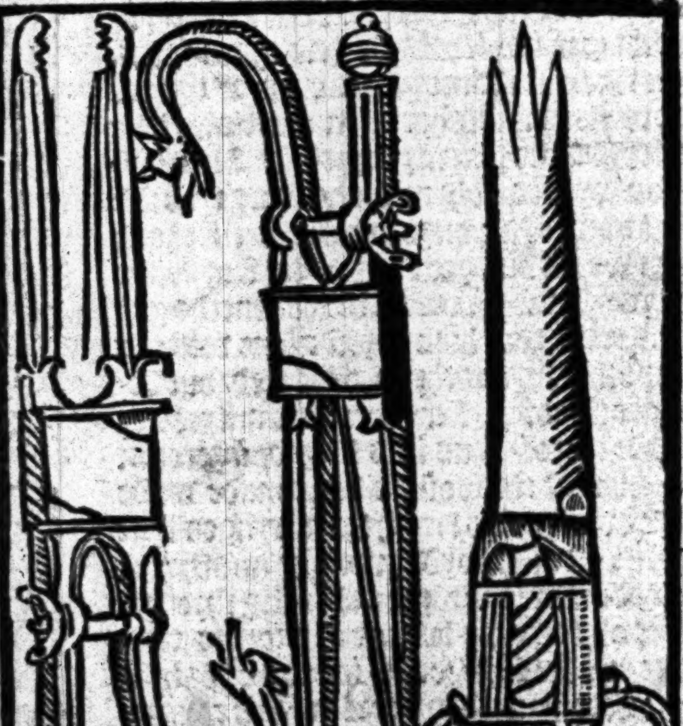
¶ The other be ryhgt terebellys ſharp before/ lyke as ye ſe fygured and counterfayted here benythe/ whan the hede of the arow is broken of/ thanne ye maye perce with your inſtrument in the tymber ſoftely and ſo drawe it out.



¶ The other be nypers or pynſons/ namyd Albucaſys/ and is formed lyke the byll or nebbe of a ſtorke wͭ indentyd tethe whiche is fygured as it is ſhewyde by this inſtrumēt that ſtondyth here benethe betwene yͤ other .ii.

¶ The other be tonges or nypers that be brode/ indentyd and holowe as the nebbe/ for to take out a gone ſtone/ lyke as here ſtondyth benethe on the other ſyde.

¶ The other be terebellys yͭ be viced going in a pipe/ lyke as it ſtōdith fygured here benethe on yͤ one ſyde/ and it is for to take an arow hede out whã the wode is out of it.



The maner in ſuche cauſe to worke is this. Thou ſhalt marke yͤ tokens of lyfe oꝛ dethe oꝛ ye ſhall begiñe to worke yf ye ſe any tokē of dethe/ thā take nothīge out of the body at that tyme foꝛ fere of dethe befoꝛe he hath taken his ſacrament. ¶ The fyꝛſte tokē/ as whan the ſhot is in the heed bꝛayne/ ſo ſuffer the pacyent greate payne wherby the ſcome auoyde out of the mouth and at the woūde. ¶ That other token/ as the ſhot is in the herte/ ſo commyth ther out blacke blode. ¶ The thyꝛde token/ as the ſhot is in the loungis/ than there commeth ſcōmynge blode out. ¶ The.iiii.token/ as the paciente is towchyd in the mawe/ than gothe his meet vndiſgeſt out. ¶ The.v.token/ as the paciēt is towchyd in his guttis ſo he auoydyd his toꝛdꝛe out. ¶ The.vi.token. as the pacient is towchyd in his bladder/ ſo he auoyde out his water/ and that is a ſygne of dethe/ And in all other places there the pacient is hurt/ there as the ſygne of dethe is. not pull out of the wounde that ſhot/ as I ſhall lerne you. and than heele it as another wounde. And that ſhot ſhall be taken out in ſondꝛy maners. And there is iii.pꝛincipall maners of taken out. ¶ The fyꝛſte that muſte be taken out with tongys and inſtrumētis. The.ii.that with might is ſmyten through cōmynge out on yͤ other ſyde. The.iii.is/ as the ſhot wyll not cōme out/ oꝛ maye not be dꝛawe out wᵗout moꝛe harme/ and you maye not make the woūde greter with cuttynge oꝛ with tentys. So let the wounde certeyne dayes putrifye/ ſo cōmyth the ſhot better out/ Neuertheles it muſt be handeled ſoftly/ and there vpon ley the plaſter dꝛawyng to the ſoꝛe/ as I ſhall lerne you ¶ yf it be ſo that an arow is poyſoned/ yf any body is ſhoten with a gonne/ ſo do as I ſhall lerne you. yͤ which dꝛawne with plaſters it wyl nat be well done without the woūde be wyder made wᵗ cuttynge oꝛ with tentys. Alſo ſayth Henricus that it maye be haſtly dꝛawne out. And ſo ſaith Auicenna/ Albucaſis/ and Bꝛunus. And ther after maye ye heele the wounde as ye wyll heele an other woūde/ No moꝛe ther to do than the ſuperfluence blode which is becōme to matter in the wounde/ that it be clenſyd. If ye be in feare of comynge moꝛe payne/ ſo maye ye put in the wounde hote oyle often tymes. ¶ And as ye wyll begyñe to woꝛke/ ⁊ ye haue knowelege whether it be an arowe/ oꝛ a gonne pylleth/ oꝛ another thyng. And yf the ſhot is in yͤ heed wᵗ any other dyſeas oꝛ tofallyng/ ſo dꝛawe the arowe out craftely with a pyle tongge lyke as here to foꝛe the pyctoꝛ oꝛ fygure ſheweth. ¶ Is any body ſhot in the arme oꝛ legge/ and the tymbꝛe be from the yꝛon/ ſo cut that other ſyde agaynſt the wounde/ ⁊ dꝛawe out that yꝛon. ¶ If he be ſhot in his body and the tymbꝛe be out of his body frō the yꝛon/ thanne muſte you ſerche the yꝛon with a tonge oꝛ a ſmall inſtrument of yꝛon where that it is/ Than dꝛawe it pꝛopꝛely out/ yf yͤ woūde be to narrowe than may ye do as is afoꝛeſayd wᵗ tentys oꝛ cuttyng/ yf he maye ſuffre it wakyng oꝛ ſlepynge/ ⁊ ſo dꝛawe it out with your inſtrument/ yf it may not ſo be/ ley there vpon a plaſter/ ⁊ gyue the pacyent a dꝛynke as I ſhall lerne you in this chaptre/ ⁊ alſo in Anthidotario The pacient ſhall lye opon yͤ woūde as he may beſt ſuffre/ bycauſe that yͤ ſayd dꝛynk and plaſter maye the better dꝛawe out the yꝛon/ And as ye may perceyue yͤ yꝛō/ dꝛawe it out. Neuer ſhall you pull out yͤ ſhaft frō the yꝛon as one is ſhot with an arrow. yf the ſhaft be ſhot deep in the body/ in the plucking out of the arrow ye leeſe the yꝛon of the arrow ſo that ye can nat fynde it. So it was be happenyd kyng Mathyſe of hūgri was ſhotten with an arrow in an arme the tymber cam out/ and yͤ yꝛon cowde not be ſounde/ The ſayd kynge ꝓmyſyd who that cowde get out that yꝛon wͭout harme doynge he wolde geue them great good. Thã cam to hym hans dockenboꝛch and dreſt yͤ woũde ther he was ſhotten in/ and bande hym ſo that ther cam no matter out frõ the woũde in many dayes/ and leyd vpward aboue yͤ woũde an defenſyſe a colde plaſter

¶ An defenſyſe.

Made of bolo armeno/ vynegre/ camfere/ ⁊ lytell rooſe oyle/ and yͤ whyte of an egge. myxed ⁊ made as thycke as hony/ be cauſe yͤ arme ſhulde nat feſtre in fyꝛe/ by reaſon of the byndynge cauſed to gadder the matter about the yꝛon in the woũde/ ⁊ ſo the ſkyñe ſwellyd/ wherby the yꝛon cam/ ther cut he the ſkyñe and toke out the yꝛõ without any tonge. Than the kynge made hym knyght ⁊ an erle. Wherfoꝛ ye mayſters remembꝛe vpõ it as ye can not fynde yͤ yꝛon/ oꝛ yͭ it be in a ſuche place that ye may not cut. yf it be in arme oꝛ legge/ Is the tymber be goo out and yͤ yꝛon is byde within/ put therin that inſtrument callyd a terebell in a pype/ and ſhꝛowyd vpward and pull that yꝛon oute. yf yͭ maye not be done ſo/ make the woũde wyde with tenttys/ oꝛ with cuttynge/ and ſo may ye pull it oute. But fyꝛſt put in the wounde that inſtrumente callyd Baliſta/ and ther after the terebelle/ be cauſe it ſhall to ſofter goo in. And yf that yꝛon wyll not cõme out lyghtely whan ye begyñe to pull thã pꝛoue it with the pyll tonge/ and as ye haue the yꝛon with the tonge/ and it wyll not cõme folowynge/ lyke as it happenyth in the boꝛgõnyſſhe fylde afoꝛe Bloumoũde that a mã was ſhotten with an arowe/ the yꝛon byde in the body and the tymbꝛe was out/ To the whyche was many ſurgeõ callyd foꝛ helpe to haue the yꝛõ out/ ⁊ it wolde not folowe/ than cam ther to a ſurgeon of Straeſboꝛowe callyd Hans mayere/ and he toke the pyltonge in his hande/ and he ꝑceyuyd that the yꝛon was hoked croſſewyſe and he tourned the yꝛon with the tonge about ſo that the croſſyd yꝛon cam to yͤ ſame place as it went in/ incõtynent cam the yꝛõ out/ where by he was ſoꝛe pꝛayſyd/ ⁊ yet cowde no ꝑſon tell how he had it out.

¶ yf it be alſo that it is nat poſſible ſo to do wͭ that pullynge out. And yf it be al moſte thꝛough goynge vnto the further ſyde/ lyke yt happen the arowe to ſtycke in the legge and the tymbꝛe is ſtyl in it/ than ſmyte the arow thꝛough it/ and pull it out on yͤ other ſyde. And yf the tymbꝛe be out than ſtryke yͤ yꝛõ wͭ another arowe thꝛough. ⁊ ſo muſt ye do lyke wyſe yf ſuche a caſe of an arowe happen in yͤ body/ and yͭ is moꝛe peryllous And if an yꝛon ware ſounke deep in the body of a man/ that it were not poſſyble to take it out with pyle tõgis noꝛ with plaſters noꝛ with tentis/ noꝛ with cuttyngis wher as it went in/ noꝛ vnto the othꝛe ſyde without fere/ ſo longe let that yꝛon ſtyke vnto yͤ tyme that the natour wyll dꝛyue hym out to appere. Albucaſis wꝛyteth of many perſonis that arow herdis ⁊ gon pylleth that remayne in the body/ and hathe woꝛne it many a daye without harme. ¶ Ther hath bene ſene in wertenboꝛw a Taylour that had an nedyll in his backe berynge moꝛe than .xx. wynter oꝛ it was cut ther of/

¶ Of the dꝛynes yͭ whiche pull out/ thoꝛnes/ ſplyntis/ glas/ bonis/ and pyces of bonys/ hath Guido made one dꝛynes/ taken out of Auicenna/ ⁊ is made in this maner/ And all this ꝑcellis that is in yͤ boke that ye vnderſtande not/ ye ſhall fynde it in the pottycarris to ſell.

¶ A cicatryſſe powder.

¶ Take whete mele and hony ⁊ the fulnes of a be heue of eche a põde weght/ ⁊ of byꝛdlyme take .viii. oũcis/ and oyle olyue .viii. oũcis/ armoniacum .iiii. oũcis/ and make therof a ſalue/ and vſe it lyke afoꝛ ſayd is.

¶ Salue

Make this folowynge ſalue ÿ to hym pulleth al maner of yrō that bydeth in mānes body. Take apoſtomaticū Nicolay .iiii. oūcys. Magnete ſtone which cōmeth frō oriente .ii. oūcys. and & yelow Iye ſtone / & polipodium / dyptanni albi / of eche a half oūce. hare greſe .ii. oūc. oyle of hempſede one oūce / turpentyn a halfe oūce / of al this make a plaſter and laye it on the wounde. Itē Rogerius ſayd that he hath prouyd / ÿ rote of a reed ſtampyd with hony and layd it to the wounde / that pulle out all that is bonys / ſtonys / glas / without any payne. Is the wounde to narrowe ſo make it wydē with cuttynge or withe tentys as I haue afore ſayde. yf that may not be done / ſo let the wounde in hym ſelfe rype with ÿ maturatyfe / than it cometh out of ÿ woūde & ÿ matter / and than clenſeth the wounde / & yf it be need do as is afore ſayde. ¶ Item here I wyll lerne ye a meruelous mixture of many vertues / for it wyll ſucke & drawe out all rotten bonys / thornys / and other like thinges.

A ſalue

¶ Take the kyrnels of a date tre Merach tubei / ſal armoniacum / longe hole roote or aſtrologia longa / & radicis cucumeris / aſinini / terpentyn of eche .v. dragmes. and black peper and white peper & armoniaci amoni / phylobalſami / turis maſculi / colofonie / / more tre ſap / of eche two dragmes and a half / & ware .iiii. dragmes and ÿ dreggis of the oyle of whyte lyllyes as moche as ye nede. and of all theſe make a ſalue / and ley it vpon the wounde / and it is very good to ſet on the wounde a bore without pyckynge.

¶ Of woūdis that be ſhot with poyſoneth arrow hedis and many other thynges.

Ca. xvii.

WHan ſhotten with a poyſoned arrow or ony other wepē. and you haue take out the arrowe in ſuche maner & forme as is afore wrytē. For ÿ which be hym ſhot the ſame perſon hath greate harme that the ſame venyme cometh from one ioynte to another for faute of takynge hede betyme. ¶ I therenymus brouſwyk born in ſtraſborow haue ſene one was bytē in his thombe which he wolde a reſted / & he had etyn in ÿ nyght ſom what / hauyng in mynde that daye to poyſon arrowes and other wepēs / and as he wolde a reſted that man he caſt hym on the groūde and ſo cam his thombe in ÿ mānys mouth & he booted the thome and wolde not leue his bytynge vnto to the tyme his mouth was full of blode / wherby he was almooſt choked with the ſayd bloode / than he opened his mouth and let hym goo / and ſayd he had ynoughe to ſaue his lyfe / for as moche as the thome was ſo ſore it muſt be cut of / and after that was ÿ hande cut of / & after that was cut of the arme / and ÿ body was ſwollē ſo byg that they cowde ſkante ſaue his lyf. therfore it is nede to take heed with the fyrſt to gyue hym tryacle magna one dragme medled withe wyne / therein muſt be ſoden tormentyll dyptan & maſter roote and rew wat as moche as is ÿ wyne eche an ounce. And that ſhalbe gyuē hym at euery .xxiiii. ouris. In ÿ woūde ther as the arrow is puld out / put warme violet oyle made of lynneſeed oyle / and in ÿ ſame woūde ſhall ye put a tent depe in the ſayd oyle / and that wyll draw out the venym / and put the ſame oyle to the ſalue wheras ye wyll heele ÿ woūde. and do in lyke wyſe to them ÿ is ſhot in a gōne / for that taketh put the venym is that fyre/ and bryngeth the woūde to fayre matter in to helynge.

¶ An Oyle.

Take lyn ſede oyle one pounde/ ⁊ an ūce of camfer/ and temper it togyder/ and ther of a lytyll warmyd/ and depe therin a tente and put than in the woūde the oyle and the tente/ ⁊ ther vpon ley a grene woūded plaſter/ and that ſhall heele it.

¶ Of woūdis ſhot with a gōne where as the venym of the powder abydyth in.

Ca. xviij.

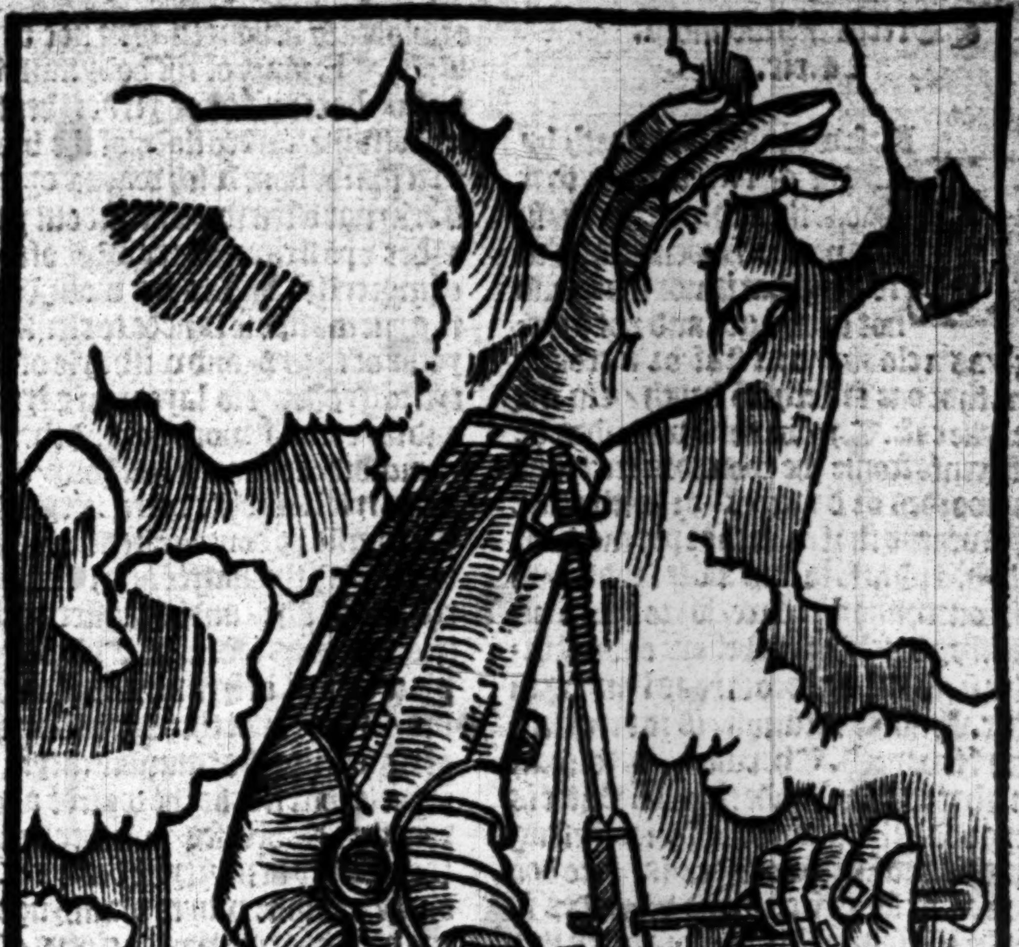
Al ſo as ony body is ſhotten with a gon where as yͤ pyllet is takē out of yͤ woūde/ ⁊ in yͤ woūde abydeth yͤ venym of yͤ powder/ be it in yͤ arme or leg wher ſo euer it be/ ſo threſt a lytyll rope of here through the woūde about all ſydes of the woūde/ ⁊ ther with ſhal ye drawe out that venym of the powder that is in yͤ woūde. And than wyll there no matter come out. thā make a tente of bakō/ and ſtryke a lytyll ther with of eer ware/ and that ſhall drawe out yͤ venym of the woūde and of the arrow/ and to brynge the woūde to matter. Than heell yͤ woūde with good ſalue.

¶ A ſalue.

Take oyle of roſes .ij. poūde/ and turpentyne a halfe oūce/ and camfere in powder one dragme/ ⁊ the one with the other medle/ and ther of a lytyll warmed/ and with weeke tentes made of lynnen depe therin/ and ley it in the woūde and than pull out yͤ venym. And therwith ſhall ye gyue hym at all tymes tryacle electum one dragme. with whyte wyne ther with ſoden Caſtorium. And ware ye in a brode feld there as ye can not haue of the aboue ſayde ſalues or drynkes. Thā take gootis mylke or cowes mylke/ and waſſhe the woūde ther with/.

And if ony man be ſhottyn with a gon that the pellet be in yͤ body/ ſo muſt ye make the woūde wyder with cuttyng or wt tentes/ as fer as it is poſſyble/ in lyke wyſe as I haue declared before of yͤ arrow. Than take a gon pellet tong lyke as in the .xvi. chaptre ſhewith be picture/ there with take the pellet out of the woūde/ yf it be al ſo that ye can not make yͤ woūde wyder with cuttynge/ than take yͤ yron inſtrument callyd balista/ lyke as it ſheweth in the .xv. capi. in picture/ ⁊ put that in to yͤ woūde vnto yͤ pellet/ and than threſt that inſtrument wt your hand behynde/ and it wyll make the woūde wyder/ ⁊ to take the pellet yͤ better out/ yf it be al ſo that ye can not fynde the pellet/ ye muſt do as lorde Iohan of Donkenborowe dyde to the kynge of Hungry/ or els do as hans vlrik of badē dyde which was callyd to one that was ſhotte with a gon/ and the pellet was ſtyll in his body/ and no body cowde fynde it/ wherfore the ſayd hans vlryk cōmaūded that ſame man bende a croſſe bowe with a gyrdyll gyrde about his body. and as he began that to do that what with preſſynge ⁊ ſtraynynge of hymſelfe ⁊ ſo moche ſtraynynge his vaynes and ſenewes that he cauſed the pellet to come out of yͤ place vnto the ſkynne of his bely/ inconteynently yͤ ſayd hans cut the ſkynne/ ⁊ toke out yͤ pellet without ſorgery or inſtrument.

¶ An inſtrument to make a croked arme ryght,

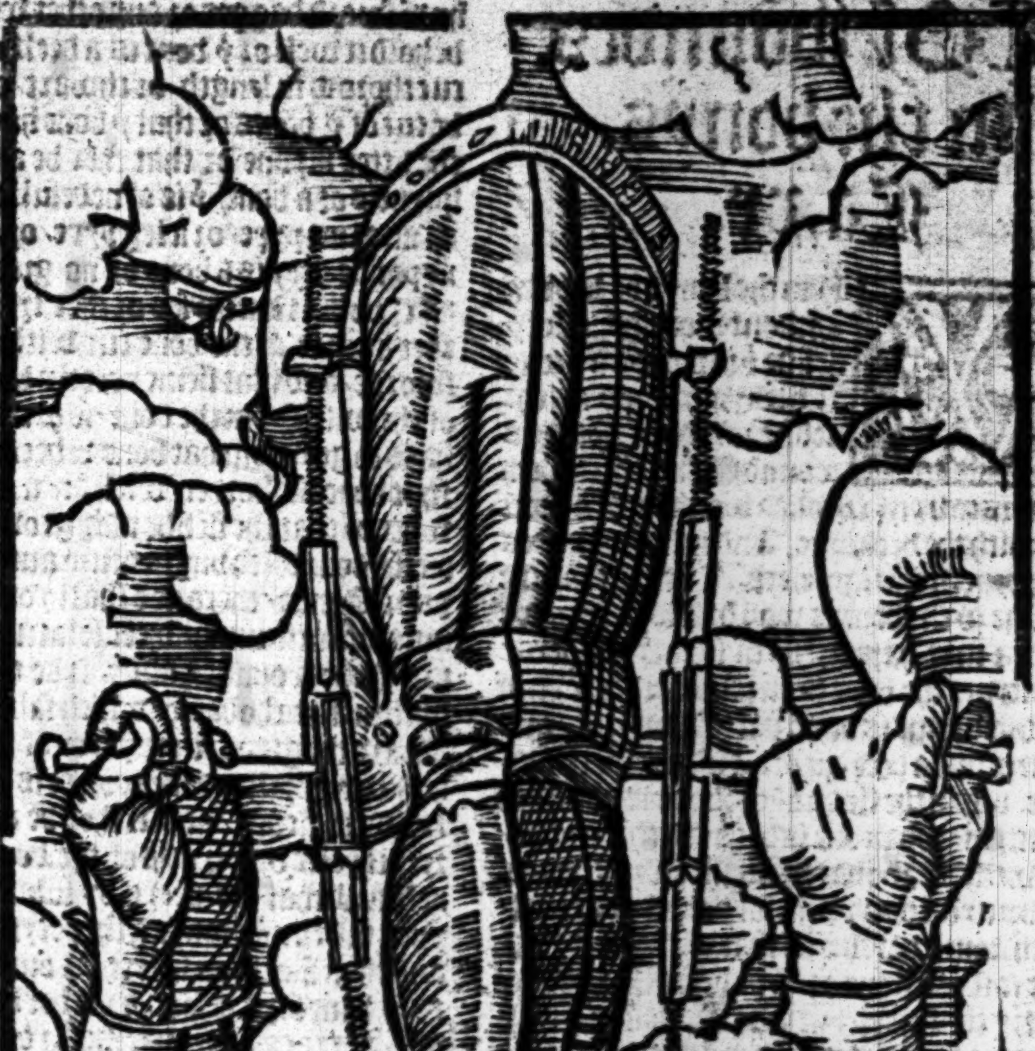


Balle

¶ Of cruſſhed woundes. Ca.xix.

These woundes happeneth by myght of fallynge / or that the one the other puſſhyth / ſo the wounde happeneth alſo of a thyng that is not ſharp and not cuttynge / and not pryckynge / as a clobbe / or a ſtaf / or a croked ſtaf / or that one falleth frō heyth / ⁊ in all ſuche lyke caſe. Therfor theſe woundes be indyfferente frome the woundes cuttynge with ſwordes or daggers / or with other ſharpe wepens that cutteth or prycketh / or ſtytchyd. And alſo to this afore ſayd woundes behoueth another cure / for to this woūdes as they be freſſhe we behoue one cōglutinatiuū / is as moche to ſaye as lymmyng to gydder. Mundificatiuum / is to ſaye clenſynge yf it be need. Therwith Conſolidatiuum / that is the wounde to heele. But it is neuer good helyng without fayre clenſyng ¶ In this bruſſhed woundes is not to doo ſuche a cure / for in yͤ cruſſhed woundes is yͤ fleſſhe bruſyd and the corpora of the vaynes ⁊ ſynewes. Alſo it fortuned ſomtyme that yͤ bruſynge happeth without woūde that is ſomtyme in the fleſhe / ſomtyme in the ſynewes / and ſomtyme within the beſt of yͤ body. Of this afore ſayde wyll I not wryte / than only of the bruſynge that happeneth with woundes. ¶ Item If ther cōmeth afore you ſuche a wounde in the fleſſhe / and ye wyl begynne to worke with cōſolidatyſe / ye muſte loke on the complexyō of the perſone / and of his age / yonge or olde / or lene of body / or full of blode or moyſtnes / ſo muſt you let hym blode on the vayne on yͤ contrary ſyde / which takyth away the matter that wold growe to an impoſtume. And yf the complexyon of the perſone be weke or feble / and olde / or lytyll of blode / ſo behoueth hym not to be lette blode. The place of the body muſt be defendyd of the cōmynge of yll accydentys of an impoſtume / and to ſlode of the blode / and that ſhalbe done with warme oyle of roſes ſtrykynge often therwith about yͤ wounde ⁊ ther vpō ſtrawe the powder of the berrys of myrtylle. And as the wounde begynne to gyue matter ſo is nede to clenſe it with yͤ yelke of eggys / and with oyle of rooſes / beten to gydder / ⁊ ſo laye it on a lynne clothe and laye it on yͤ wounde / and ther vpō laye a mundificatiuum of roſe hony / barly meel and a lytell whytte beten turpantyn / and that muſte be done ſo often vnto the tyme it rotyd and the matter and yͤ bruſynge may come to fleſſhe / and ther after do the fleſſhe growynge as it is nede. And if the bruſyd place be full of ſynewes as in the fete ⁊ handes / So leye not ther vpon that ſayd yelke of egges / nor that mundificatyſe / nor barly mele / but ſtryke the woūde about with warme oyle of roſes / and ther vpon ſtrawe the powder of myrtylle berrys / And laye on the wounde whyte waſſhynge turpantyn betwene two lynnen clotys / And as yͤ payne is withdrawen / and the ſwellynge begynne to ſyncke / than ſhall you occupye that aforeſayde mundificatyſe of roſe hony and barly meel / as it is wrytten in yͤ chaptre of the woundes and ſynewes. And this cure is oftē proued by Auicen ⁊ Galienus

¶ An inſtrument to make a croked leg ryght.



¶ Of woundes in the bonys.

Ca.xx.

WHan the bonys be broken without woundynge of ẏ fleſſhe ẏ is namyd a broke or brekynge / and as the fleſſhe wyth the bonys is woundyd and there with that is callyth a broken wounde / or a woũde with the brekinge. And ſuche woundes happeneth in .ij. maners. The fyrſt. as the fleſſhe wᵗ the bone is woũdyd wᵗ a ſherp wepen / ⁊ that happenyth in ſondry maners / ſomtyme the bone is ouerthwart hewyn of and ſomtyme is but a parte hewyn of / and ſom is but a pece cut of. And another manner / whan the fleſſh of the bone is woũded ſomtyme whan one is beten with a clobbe / or with a ſtaf / that the fleſſh and the bonys is bruſyd ⁊ peryſſhed. ſõtyme that one fallyth from a heythe / or that one is hurt with the caſt of a ſtone or wᵗ another thynge / not onely the ſkyne / but alſo the fleſſhe / and ẏ ſynewes be hurte / wherwith the bone be wounded / neuertheles ſeldon it happeneth yet it happeneth ſomtyme that the bone is rent or ſplenttyd / ſomtyme in great peces / and ſomtyme in lytell pecys. ¶ All theſe afore ſayde poyntes muſt the ſurgyon haue in the remembraunce er he begynne any cure te doo. The fyrſt / yf any cometh to you with a membre therin that is brokẽ a bone and ſkyne / nor fleſſhe is not woundyd nor bruſyd / than ſo do as I ſhall lerne you in ẏ chaptre of brekynge of the bonys wᵗout hurtynge of the fleſſhe /

If any body com to you he that is woũdyd through ẏ ſkyne / fleſſhe / ⁊ bone / wᵗ a ſherp knyf ſwoord dagger or any other wepen / ſo behold it well or ẏ bone is a deell or holle cut thorow in length / or thwart / or pecys be cut of ẏ bones or that ẏ bone hãgyth on the vtter ſkynne or that ther be any ſmall ſplyntis of a bone / ẏ is of nedefull to haue / as an arme pype / or a leg pype / or a brayne panne / or ẏ is a bone of no great need / as rybbis or kneſhyſes or ther lyknes. Is ther a parte of the bone cut with a ſharpe ſworde / and that fleme next the bone is cut of therwith from the bone / ſo is that fleſſhe hard to grow on that bone wherfore muſt that bone be ſhowen with an inſtrument wherwᵗ that the fleſſhe may grow agayne on the bone with vnguentum aureum ſecũdum Meſue / therafter ſhall you lay one mundificatiuum and conſolatiuum / that is a grene woundyd ſalue / lyke as it ſtondyth in Antithodario / which ſalue takyth awaye the great currupcyon of matter / ⁊ helyth withall. as the woũde is before fyllyd with fleſſhe / and if ther be any ſmall lytyll pecis or ſplyntis of the bone / ſo it is nedefull that the pecys by ſubtylte with your inſtrumẽt takyng the pecys a waye / and than ſhall you hele the woundys lyke as I haue ſayd before / ⁊ yf ther be any pecys aperynge out / that ſhall you cut of wᵗ your ſaw / alſo if any lytyll pecys of bonis be hãgyng on ẏ fleſſhe for need muſt ye loſe that from the fleſſhe / and the ſkynne ſow to gydder agayn / ⁊ ſo bynd it lyke an other wounde / and yf that bone belongyth to a pype or to ioynt ſo nedyth to be ſtow it wᵗ your hand in his place agayne / and ther on bynd it with your bonde in lyke wyſe as I ſhall ſaye in ẏ Chaptre of ẏ brekynge of ẏ bonis / and as in your byndynge / ye muſt leue a hole opẽ ayenſt ẏ woũd ſo as ye may euery day dres ẏ ſayd woũd wᵗout taking of ẏ ſayd boũde / ⁊ this woũde is to heel lyke as another woũd wᵗ more mũdificatyſe vp that the matter the leſſer ſhall hurte the bone foꝛ ẏ loſynge of the bone/ therfoꝛ nede you to laye a defenſyuum aboue the woūde rounde about the ioynt/ that the ioynt haue no comberaunce with the moyſtnes oꝛ ſuperfluyte of the blode that ẏ matter myght make the bone loſe/ And ẏ pacyent muſt haue goode rule in meet/ in drynke/ and laratyfe/ foꝛ that letteth that no impoſtume vpō cōmyth. But Rafys ſayeth in the .vii. boke of his ſurgery/ that the pſonys that hathe bonys brokē they ſhall eet but courſe meet whiche makyth courſe blode wherof ẏ ſoner may the bone be hole/ ẏ is as the ſkynne and fleſſhe is nat woundyd/ and that ẏ bonys be not peryſſhyd by the ayre/ and incontynent all ſuche woundys muſte be ſette in his place and than ſowed/ that there cōme none impoſtume therto/ and dryue ẏ flode oꝛ the impoſtume away/ and bynde it ſo as I haue ſayde befoꝛe/ and the wounde ſhall be made hole without loſyng of the boūde.

¶ As a wounde is in any bone that nedefull is to the body/ ye ſhall not take out one of them/ as many as there be/ as nye as ye can ſet euery pece by hym ſelfe in his place.

¶ Of a depe wounde and not well ſene. Ca.xxi.

Oftentymes is the preuy and depe wounde holpen with a drynke inwarde without ſowynge and byndynge. And where it foꝛtune not ſo to be/ ſo ſayth Galienus in tertio tegni/ that he ſhalle take awaye the multytude of blode/ and it ſhal be holpen with a goode fygure. Through the fygure vnderſtonde Auicenna/ that the mouth of the wounde ſhalbe downwarde ⁊ the depte ſhall ſtande aboue/ foꝛ the multitude of ẏ matter maye the better go out/ as Galienꝰ ſpekyth ad Glauconē/ whā he helyth a depe wounde and the woūde was in the kne/ ⁊ the ſtytchynge went downwarde to the ſkyn/ than he cōmaunded to ſlytte vp the ſkyn bone vpwarde hyer than the kne/ bycauſe the woūde ẏ ſoner myght be hole/ ⁊ the matter the ſoner ſholde auoyde. In lyke wyſe may be done vnto an arme. ¶ And yf the wounde wyll not auoyde the matter and can not clenſe it wᵗ ony water ſprowted therin as therto belōgeth/ Thā worke after the wordys of Galienus/ he ſayth in ſene tcii terapeutis/ As ẏ woūde hath a depe hole and preuy/ ſo muſt ye take hede yf the wounde may be clenſed oꝛ nat/ And as the woūde is to be made clene/ ſo make it clene with a waſſhynge and with threſtynge out of the matter with a good byndynge/ begynnynge at ẏ ende of the ſtytchynge of ẏ woūde/ and ſhalbe boūden the longer the loſer foꝛ cauſe ẏ matter may nat be boūd behynd in the woūde/ and that at the mouth of the wounde the matter may better auoyde out. And yf that may not be with byndynge/ ſo muſt ye ſeeke another waye/ and that is in ii. maners. ¶ The fyrſt maner/ that you begynne on the mouth of the woūde and cut vp all holownes to ẏ grounde of ẏ wounde yf that may be done without harme of any vaynes/ ſynewes and muſclus oꝛ lacertes.

¶ The other maner is/ yf that this cuttynge maye noot be/ ſo put in the wounde a ſerchyng yrō/ oꝛ a ware cādell vnto ẏ groūde of the wounde/ ⁊ ſo make a hole at the ende of the wounde/ that the matter therby may be clenſyde/ and bynde the wounde in lyke wyſe as is aboue ſayde/ At the mouthe of ẏ wounde ſhall the byndynge be loſer and ſo fee/ ſo as the wounde maye be clenſed the better/ And mayſter Brunus dyde put and vſe in bothe the endys of ẏ woūdes tentys.

And mayſter Guydo vſyd with one tente becauſe the pacyente ſhulde haue the leſſer payne/ and round about layde he one defenſyuum/ and vpon the wounde layd he one mundificatyuum/ and ther after one conſolydatiuum/ and after that he helyde the wounde lyke another wounde/ And if the wounde had many hooles within/ that you can not knowe/ ſo waſſhe ẏ woūde wẏ after wrytē water that ſom what ſherpis/ and muſt be medlede with one mundifycatyſe/ and ſo muſt ye ſpowt the woūde thryſe or .iiii. tymes/ ⁊ than dry ẏ woūde/ ⁊ bynde it in lyke maner as is aforſayd/ frō the nedermoſte parte to the mouth of the woūde/ and ẏ matter or moyſtnes ſhal be takē awaye wt the ſpowte/ ⁊ not threſtyng the matter with the hand takyng out the matter of ẏ woūdis mouth/ and ye wolde thynk to threſt ẏ matter out/ but you ſholde threſt ẏ blode out of it/ which wolde be matter/ wherby it lettyth the helyng of it/ and doth moche harme. In lyke wyſe I haue ſeene by a barbour ẏ was not cōnynge/ to hym cam one with a woūde in his arme whiche woūde gaue moche matter out/ ⁊ the barbour threſt out euery daye moche matter/ and with the threſtyng threſt out moch other blode which was matter afterwarde/ and it was ſo longe tyme durynge/ toward marryng of ẏ arme/ which might at fyrſt wt lytyll labour be holpen/ in lyke wyſe as I haue holpen hym. ¶ The fyrſt maner ſhold be/ ẏ aboue ẏ woūd vpward ſholde be layd one defenſiuū about ẏ arme which ſhold defende the arme. That other is to rule hym of good meetis and drinkis wherby ẏ les moyſtnes ſhold be vnto hym The .iii. is to make holys on the other ꝑte of the woūde/ and ther out takynge ẏ matter/ with waſſhynge and in ſpowtynge/ ther with the woūde ſhold be clenſyd/ and the arme bouūde roūde about/ that ther come no hete therto/ In ſuche maner in lyke wyſe haue I wrought ⁊ made ſom holys/ ther the matter cāme out with a ſpowte/ ẏ other holys I ſtopped/ one mūdificatyf I dede ſpowte therin/ wt a good byndyng I bounde it/ and gaue hym good rule of mete ⁊ drynke/ and of good purgacyons/ and ſo doynge a weye the corrupciō from aboue/ and wherwith was defendyd the membre of the arme/ wherby he was made hole/ ⁊ had I done/ the hole arme muſt be cut of. This haue I done wryte that ye ſhall knowe how ye maye order you in ſuche a wounde/ ſoo as all other pacyons not to be loſt of theyr membris/ wherby as all ſurgeons ſholde come to greate ſhame. Therfore take hede to theſe woūdys afore ſayde. ¶ And that lauamente whyche is a clenſynge water/ ⁊ it is made in lyke wyſe as here vnder appereth/ ⁊ it helyd all hooll woundys/ an it clenſyth ⁊ makyth fleſſhe/ ⁊ it helyd therwith. ¶ If any body ware ſhotē or ſtryken through the body/ or that ẏ woūde wyll fyſtule or rancke/ ſo ſpowte therin ẏ ſame lauamēt lewke warme/ and that wyll pull all the matter out/ this doo twyſe or tryſe in a daye ther after as the pacyent maye ſuffere/ ſo longe that the water maye cōme clere out of the wounde.

¶ A clenſynge water

Thus make the lauamēt. Take roſe hony ſtrayned .vi. oūcys. rede roſe leuys/ Cammyll flouris/ of eche .iii. oūce. maſtic .i. oū. frākenſens a halfe ounce. myrra .i. dragme pyros .i. oūce. ffrenſſhe wyne/ or ſoden elſate wyne .ii. poūde weyght. water of plātayne ſmall and great/ water of rede roſys that growyth in the corne/ water of caprifolium/ water of peruinca agreſtis/ water of oken leuys/ of eche a pounde. Wyll you haue a ſtronger to dryue the matter more out/ take alume .i. oūce Balauſti Pellidie Nucis cypreſſi/ Orobi/ curſcely ſtampeh of eche a drame / wyll you that the fleſſhe grow / put therto Serrocolle an ounce / is the wounde hart / ſo put therto camfere a drame and a halfe / The drynes is made thus / take conſolida maior . viij. ounces peniſedanum . iiij. ounces / alum . ij. oūces. ſmithes water dyſtuled per filtrū . iij . pyntes / ⁊ ſoddē tyll the thyrde parte be conſumed / and that water ſhalbe made warme and ẏ bonde ſhalbe dept therin / wherwith ye ſhall bynde the membre lyke as is afore ſayde / If ye wyll make a ſtronger mūdificatiuum / that more clenſyth ⁊ cauſed the matter to reſt.

One mūdificatyfe.

¶ Take vnguentum egypciacum . ij. ounces. Alum one oūce / whyte frākenſence an halfe oūce / myrra one drame. Reed wyne ij. poūde / all togyder ſodden a lytell / than ſpowte this in the hole of this ſore. For I haue done great cures therwyth.

¶ Of woundes com by venymous ſtynges / or of wode doggys bytynges / or of ſnakes / adders / ſcorpyons / or of other ſuche lyke.

Ca. xxij.

Wyll you be holpen of the venym bytynges of beeſtes / So it is good that ye folowe ẏ lernynge of maſter Auicenna / Raſys / Rabbi moyſes / and Neuricus. For they haue ſpokē of all venym / And the cure therof whiche belongeth more to the pheſycyon than to the ſurgyon. And all ſuche bytynge woundes is in . ij. maners. The one is done of a venymous beeſt / ẏ other is done of no venymous beeſt / In lykenys as the bytynge of a man or womā / or of a dogge / of an hogge / horſe / or a ratte / or there lykenes.

¶ The venymous bytynge of mad dogges ẏ ſtyngynge of a ſnake / or adder / or ẏ poyſonynge of a toode / or of a ſpyder / or ony other lyke venymous beeſt. ¶ It is in two maners to haue in cure. The one is / to take away the venymous matter by the [illegible] cyon within / defendynge the body from hurte / through the whiche hurte the pacyente may be in ieopardy of his lyfe. ¶ The other maner is, the venyme without ſhalbe taken away by the Surgean / and ſhall be cauſed to growe fleſſhe / and than heled / ⁊ kepe the hole of the woūde ſome dayes opē er ye begynne to cure the wounde. ¶ The knowledge of the bytynge of a venymous beeſt. ye may knowe by the compleynynge of the pacyent / for he ſhall haue grete payne and brennynge in his body / wherby ye may knowe it is to hym greate harme and greffe / for the venym or poyſone deſyreth none other but to ouercome the harte. And to ſuche venymous bytynges or ſtyngynges it behoued you to take good hede. And yf ſo be that the pacion in the begynnynge fele not the token / it wyll afterward apere as parauenture a moneth after / a yere aftͤ or . vij. yeres after ſo may it be. For I haue ſene a chylde byte of a mad dogge / ẏ wounde was heled and a yere after ẏ ſame wounde began the rotte / and ẏ chylde was mad and dyed therof. ¶ Wherfore yf there come ony pacion to you bytten of any beeſt that is not venymous / and no token on them apere ye nede to do none other thynge than you do to another cure. ¶ The cure of bytynge of all venymous beeſtes/ Galienus in tercio terapen. ſayth/ whan that yͤ payne cometh of a ſtyngynge or bytynge of a beeſt/ you ſhall take away the payne/ and alſo the venyme/ by boxynge/ or lettynge out of wynde/ or brennynge with a hote Iron/ or wͭ a warme bath/ and this maketh looſe the hole ſubſtaunce of the wounde/ or lay therto ſome drye thynge hote to take awaye the venyme/ Therfore cõmaundeth Lanfrancus and other ſurgyons to ſet therto a ventous and take a way the venymous bloode or that euyll bloode ſhall be ſered or brent with a hote Iron or cauteries/ that the cõmon people breneth wͭ a kaye of his chyrch

¶ Vpon ſuche a wounde ſom layth a ſymple medecyne to drawe out the venyme/ yͤ whiche is done with garlyke/ and with onyons ſtamped with buter. Alſo as Guido ſayth dothe the common people for lacke of ſurgyan in lyke wyſe/ they take a henne ⁊ plucketh the fethers from her arſe/ and layeth yͤ hennes arſe all quycke vpon yͤ woũde/ and the henne dyeth of the venyme that cometh out of yͤ woũde. The wounde ſhal be open at the leeſt. xl. dayes. Than the inwardly cure behoueth more for the pheſycyon thã for yͤ ſurgyã/ ye ſhall knowe howe to take away the venymous blode. ¶ In the begynnynge you ſhall not let out the blode of the vayne/ bycauſe that yͤ venym ſholde not be ſprede through all yͤ mẽbres/ and alſo gyue them nothynge laxatyue in the bely/ that yͤ venym go not wͭin thrugh all the membres/ therfore muſt be ſet yͤ ventoſe aforeſayd/ whyche ſtrongly pulleth to hym the venymous blode/ ⁊ after the thyrd daye it is good to be let blode on the vayne and ſo to cauſe the Melancoly with lyght medecynes/ as in dreſhynge Epitimy with gootes mylke/ and he muſt be in reſt of his hyrte/ Alſo he muſt take and ſethe the heed and fete of a yelded ſhepe/ and in the brothe therof often tymes waſſhe his fete/ And if it be ſo that the parſon may not beholen wͭ the ſymple drynes/ thã ſhall ye make hym a compoſita.

¶ A drye powder.

Make this compoſyta of licium/ aſſa dulcis/ bolus armenicus/ terra ſigillata/ abſinthiũ/ nigella/ genciana/ all theſe medled togeder/ ſo take it in. Or take yͤ aſſhes of a crefyſſhe that is dryed in an ouen/ take therof. iiii. partes/ and frankẽſence. ii. partes/ medled them togyder ⁊ make therof a powder/ and take therof euery daye. ii. dranes. with wyne wherin is ſodden Bybergeyl which is called portulaca in latyn and Rew or herbe of grace. Or take. vi. partes of aſſhes of a crefyſſhe/ of Genciana iii. partes/ Terra ſigillata one parte/ and take this medecynes as is aforeſayd. ¶ If you in yͤ begynnynge of his grete nede had not come/ and the pacient hath taken euyll ſykenes/ or yll accydentes of melancolye/ by heuynes of dremes/ wrath or trowble/ that he can gyue none anſwere ye nor nay/ it is the token of melancoly/ which weketh yͤ nature/ for that ye ſhall gyue thẽ this medecynes of Cantarides that dryueth oute through the vryne the melancolyous blode/ yf it be poſſyble. And the medecyne ye muſt make after this maner. Take Cantarides/ that is greate and olde/ and therof cut away the heedes foote ⁊ fatnes and take therof half an oũce/ lentes clenſed/ ſaffran/ ſpicanardi/ clowes/ ſynamon/ pepper/ of eche a drane. dryue in powder/ and medled with rew water/ and therof make a trocyſce/ and of the trocyſce ye ſhall gyue hym the wayght of. vii. barly cornes/ ſo often tyll he pyſſe blood/ thã he ſhall be in helth/

and after the .xi. dayes the wounde shall fyrst be heled. In lykewyse doth to ẏ wounde that is bytten of a snake/ or ony other venymous beest/ so shall you make the wounde wyder and set theron ventoses or boxes for to take out the euyll bloode/ yet is also good to touche ẏ place with a hoote yron that Lanfrancus hath proued often/ and it leaueth no comynge of swellynge nor impostume/ and presume not to hele the wounde vnto the tyme ẏ venyme be out of it/ therfore let the wounde some dayes be open/

¶ A powder.

¶ An experte powder for the bytynge of a madde dogge or a wolfe/ Brenne in a sharde of an erthe potte creuysshe that hath egges/ and make it in small powder/ & of the powder put euery day twyse in the wounde/ & so shall you hele it/ neuertheles kepe ẏ wounde opẽ as lõge as you cã/ as is before sayd.

¶ How you shall cure these aforsayd woũdes. ca.xxiii.

After ẏ woũde be fylled with matter/ so shall you clense it/ and then ye shall cause the flesshe to growe/ and after that the skynne. ¶ The clensynge is in two maners/ The fyrst maner is/ to tente it with lynte lyke within to sucke out the matter/ or for to kepe ẏ wounde open that the matter may haue his yssue. ¶ The other maner is with washynge or bathynge that clenseth ẏ matter and the corrupcyon. ¶ The tentes is vsed for vi. causes/ ¶ Fyrst it is in the narowe wounde whiche nedes must be made wyde/ and [illegible] [illegible] of the wounde/ [illegible] a spurgynge as it holowe wounde there is ẏ matter is gathered to drawe it out. ¶ The secõde maner is for to make in ẏ holowe wounde flesshe/ for as longe as ẏ matter lyeth in the wounde there wyll no flesshe growe in the wounde/ but it wyll alwayes corrupt more and more. ¶ The .iii. maner is in the woundes that is altred by the ayre/ or by his one nature that is comen to corrupcyon [illegible] the tentes and so clensed. ¶ The .iiii. maner is to the woundes that the one gothe to the other/ and the one is clensed through ẏ other. ¶ The .v. maner is in holdynge the open a sore vnto the tyme that the matter be clensed. ¶ The .vi. maner is of an [illegible] wounde/ that the tentes [illegible] the [illegible] of ẏ wounde/ & cast out the euyll flesshe rounde about. ¶ The .vii. maner is in the woundes by the bones/ that the matter shall come the better out of it. ¶ Therfore wete ye that the tentes be made in dyuers maners. for the tentes that is vsede for the clensynge of the woundes/ they are m[illegible] of fayre shauynges of whyte lynnen clothe and som be made to holde the lyppes open of the wounde with fyne small towe/ or small peces of fyne lynnen clothe/ or of fyne cotton as wadys [illegible] [illegible] of sylver/ or of tynne/ [illegible] as [illegible] holowe pypes for to take the ayre/ or to put in to the wounde that the matter of hym selfe may go out. Some be made for to make narowe woũdes wyder/ and that is made of the rote of genciana/ or of a sponge/ as I haue lerned in the .xi. chapter. ¶ The clothes of lynnen layde here in the woundes/ and somtymes lay them to kepe in [illegible] as the surgyen thynketh best. And as the wounde is clensed of the matter/ and the wounde is almost hole It is nedefull to lay therin a [illegible] plaster which gendreth fleſſhe ⁊ heleth / lykewyſe dothe the mundefyeng plaster / as I ſhall lerne in Antidotario. If ẏ wou͂de be chaunged by moche matter cūmynge / ⁊ ẏ ẏ wou͂de haue chaunged his courſe in an ulcus / whiche is an olde ſore / As ſone as ye haue clenſed ẏ ſame wou͂de ye muſt cauſe ẏ fleſſhe to growe / for it is called a wou͂de cōpoſita or ulcus / ⁊ they behoueth all tymes a mundificatiuū / incarnatiuū / ⁊ therto conſolidatiuū. A ſymple cuttynge wou͂de ẏ is not chaunged by the ayre / and bydeth in his cōplexyon / the wou͂de nedeth no more but the helynge of the wou͂de. ¶ The maner to cauſe ẏ fleſſhe to growe in the wou͂de after the ſtoppynge of the blode / ⁊ that ye be ſure of ẏ impoſtume / than clenſe the wou͂de of the [illegible] matter wᵗ a mundificatiuum as here after ſheweth in the chapitre of ẏ mundificatyues / ⁊ thā waſſhe ẏ wou͂de wᵗ rede wyne / ⁊ after ẏ laye vpō the wou͂de ẏ drynes ẏ cauſeth fleſſhe to growe / as here after I ſhal lerne you. The hole wou͂de or ẏ wou͂de in the ſynewes / ye ſhal hele it lyke as of thē in euery chapitre ſheweth. ¶ And as ẏ wou͂de is full of fleſſhe / ſo cauſe there vpō ẏ ſkynne to growe. And to make ẏ ſkynne ye ſhal fynde in ẏ chapitre of ẏ cōſolidatiſe.

¶ Of the newe cures ⁊ helynge of freſſhe wou͂des wᵗ balme. Ca. xxxiii.

FOr the helyng of freſſhe wou͂des wᵗ balme artificiall lyke as is vſed in ẏ cyte of Argentina. The balme wormed ⁊ dropped in ẏ wou͂de ⁊ ſowed ⁊ euery daye twyſe [illegible] therof haue I ſene grete helynge. ¶ If ẏ cure of balme helpe not at the beſte of ẏ incyſyon / ſo ſhall you knowe ẏ poure ⁊ nature of euery thynge ẏ ye wyl hele ſo in ẏ lāde it heleth ſhortly / ⁊ in ſomwhere londe it heleth not / ſome where it heleth / ⁊ another it heleth not / ẏ lōdes of ytalia / Polonia / Floſce / ẏ wou͂des of ẏ hedes heleth not lyghtly / nor in the hole body of ſuche pſons ẏ haue lytell blode or moyſtnes / as ẏ hote drynes therin is layde conſumeth ẏ blode ⁊ dryeth / through the whiche ẏ helynge letteth / for ẏ cōglutinacyon ⁊ helyng cometh as ſone as a hote drynes is layde vpō a colde blood / for the hote drynes dryeth out the grete moyſtnes of colde blode / therof cometh the ſoner helynge. ¶ Therby maye you knowe ẏ in hye Almayne / lyke in Elſace / Swaue / Beyerē / Fraūke / ⁊ from Spyre to Colē / ẏ euery pſon hath moche ſlyme blode / excepte they ẏ be colerycke / ⁊ as thā the ſlimy moyſtnes is conſumed / ſo increaſeth ẏ growynge of the fleſſhe. ¶ Therfore it is poſſyble to cure ẏ wou͂des wᵗ drynes ẏ is hote ⁊ dry / but it is cōtrary to hote londes ⁊ as the londes be colder ⁊ moyſter / ẏ drynes muſt be hotter and dryer. Wherfore all wou͂des heleth in the hote londes in the colde pſones as in flegmatycke. In lyke wyſe is in colde lōdes heleth all wou͂des wᵗ drynes ẏ be hote ⁊ dry ye better thā in hote lōdes. And the worrkynge of ẏ balme doth thus. The fyrſt put it ī ẏ wou͂de very hoote / after ẏ lewke warme / ⁊ make well theſe poyntes / ſo may you worke wᵗ this balme without ſhame. If ony pſone come to you ẏ hath a wou͂de in ẏ fleſſhe / ⁊ is in ẏ colde lōde / as ẏ lōdes in Almayn. If it be a comunly freſſhe wou͂de / ſo clenſe the blood from ẏ wou͂de wᵗ a dry ſpōge ⁊ neuer wᵗ water / ⁊ make ẏ balme hoote ⁊ ſtepe therin cotton / ⁊ laye it [illegible] vpō the wou͂de. And yf the body be fat ⁊ full of humours thā make ẏ balme more hoter / ſo is ẏ moyſtnes cōſumed / and wᵗ her hote ⁊ dry cōplexyō dryeth [illegible] whiche wᵗ a [illegible] [illegible]. If ẏ lyppes of the wou͂de be ſtere in ſunder they muſt be ſowen togyder / thā clenſe ẏ wou͂de wᵗ a drye ſpōge / ⁊ droppe in ẏ wou͂de ẏ balme all hote after ẏ cōplexyō is of ẏ pſon / ⁊ ſome ẏ wou̅de / ⁊ leue ẏ lyppes .ii. fyngers brede from eche other / for ẏ batowme whiche ẏ matere of atrementu̅ / coagulatiuu̅ / bicause that ⁊ ẏ batowme heleth it togyd in one nyght / ⁊ yet is not ẏ wou̅de heled withi̅ forth / Therfore ẏ lyppes of ẏ wou̅de must be sowed / ⁊ heled as ẏ batowme. It must be other wyse sowed tha̅ ẏ wou̅de bounde as whyte of an egge / ⁊ lay vp ẏ sowyng of suche a wou̅de poynt to wou̅de / ⁊ holde ẏ lyppes of ẏ wou̅de togyd / therfore it is good in hote lo̅des ⁊ for drye ⁊ hote regions / ⁊ as ye vsed a wou̅de in bony places as ẏ batowme / tha̅ shall ye bre̅ne ẏ bone ẏ begy̅ne blacke / and in suche wou̅de ẏ flesshe wyl nat well growe. Therfore make ẏ batom lukewarm / ⁊ somtyme ye may lay ẏ batom colde vpo̅ ẏ bony place by cause the wou̅de be not made to drye or slacke. ¶ As ye se ẏ batowme worke to the wou̅de or ioyntes / so make it well hote .ii. or .iii. dayes lo̅ge / at euery tyme i̅ ẏ dressinge of ẏ wou̅de / ẏ it may be resolued ẏ moystnes though ẏ heete ⁊ ẏ drynes of ẏ batowme / ⁊ to defende ẏ wou̅de as [illegible] / ẏ ther cam no apostume to ẏ wou̅de. Wha̅ ye be sure ẏ no apostume come to ẏ wou̅de / tha̅ laye the batom theron / ⁊ vpo̅ it a lyne̅ clothe wet in warme water i̅ ẏ whiche is sode̅ [illegible] ⁊ bleta / ⁊ ẏ bynde heleth ẏ membres. In a hote la̅d ⁊ dry regio̅ lay ẏ batom no more but twyse / for they haue so hote blode ẏ the hotnes and drynes of the batowme dryeth the blode / ⁊ so letteth he [illegible] ⁊ ẏ letteth ẏ helynge. ¶ Whan any of ẏ heed be cut ẏ ẏ brayne panne is bare / holde [illegible] / lay not ẏ batowme there theron / but take sarcocolla one ounce / ⁊ olibanum / ⁊ aple of [illegible] of eche halfe an ounce / [illegible] them togyder [illegible] / ⁊ [illegible] water / ⁊ lay it on the wou̅de / [illegible] ẏ serueth to lay on al other wou̅ded places. ¶ Thus sholde you do vnto all ẏ wou̅des there as the bone be bare / ⁊ so do it in wou̅ded me̅bres to be ẏ lycquor of lymes / this batowme shall you fynde in Antidot. ¶ As ye haue ẏ wou̅de or heed togyder / ⁊ the peces ẏ were sowed togyder / so shall ẏ me̅bre about payne / if it be possyble / so as I before ⁊ after shall wryte / ⁊ after ẏ closynge of the wou̅de cometh ẏ helynge. ¶ The maner of byndyng of fresshe woundes is in thre maners / as Aui. sayth / ẏ fyrst doth ẏ flesshe growe / ⁊ ẏ other dryueth out / ẏ thyrde holdeth / the byndynge for to do growe flesshe is clouē in twoo / ⁊ ẏ hede of ẏ ba̅de layde on ẏ wayne agaynst ẏ wou̅de / ⁊ bynde ẏ ende agaynst ẏ vppermost pte of me̅bre / ⁊ ẏ is from ẏ wou̅de / ⁊ that other ende of the bande on ẏ nether pte of ẏ me̅bre / ⁊ so take bothe ẏ endes / ⁊ bynde it backe warde to ẏ wou̅ded place / ẏ tyme of ẏ ba̅de takynge of is wha̅ ẏ pacye̅t may no lo̅ger suffre it. With this byndyng ẏ lyppes of ẏ wou̅de were bou̅de togyder / ⁊ taketh away the swellyng / the harde byndynge whiche dryueth out shal be vsed to ẏ hole ⁊ depe wou̅de ẏ wherin is roten for to dryue ẏ matter out / ⁊ ẏ no̅e other matter shall come to ẏ place / this do as ẏ ba̅de ẏ on ẏ one ende is cloue̅ / ⁊ begyn fyrst to bynde on ẏ nether pte of ẏ me̅bre ⁊ bynde it as ẏ hardest / ⁊ so forth vpwarde vnto ẏ vpperpte of ẏ me̅bre / Lyke as wha̅ ony pson is wou̅ded in ẏ legge / so bynde ẏ legge bynethe vpwarde aboue ẏ knee to ẏ bely / ⁊ let the ba̅de be slytte at ẏ kne to haue ẏ kne at large / and that he may bowe it / If the wounde be on ẏ left syde ther cometh out of euyll vnclene blode / so it is agaynst the mylte / and yf it be on ẏ ryght syde / it is agaynst the lyuer / there cometh all moystnes to the membres. ¶ The bande that ẏ dryues holde / is vsed on the place there as no byndynge may be / lyke as a heede / necke or bely / or as swellynge and dyslocacyon. ¶ This bande shalbe with many endes / and begynne the bynde vpon the sore place go bothe sydes. And this bande shall be taken of without payne/ ⁊ yf it cleue by the matter/ ye shal suppe it with wyne tyl it be lose. Galienus sayth/ it is vsyd/ and that the bãdes sholde be made of good olde lynnẽ cloth that is softe/ smote/ and clene/ brode and longe after the bygnes of the membres/ for the byndynge of a shulder/ the bande must be. vi. fyngers brode. The bãde of a thygh of a legge must be. v. fyngers brode. The bande for an arme must be. iij. fyngers brode/ and the bande for a fynger must be one fynger brode/ and the lengthe of the bande shalbe as it is nede by the dyscrecyõ of surgeon. The maner of lynnen clothe or plumacioles it is profytable to bynde togyder ẏ partes that be lose/ for to fortyfye ẏ hotenes on that membre/ ⁊ to take awaye the heuynes of the bande. ye may make it of fyne towe/ or of hempe/ or of flaxe that is well heccelede. and som maketh it of wolle/ and nowe they make it of dowble lynnen cloth or with a sponge/ and of them shalbe layde ii. or. iij. as the surgyan thynketh best.

This afore wrytten somtyme is layde on the wounde drye/ ⁊ somtyme wᵗ the whyte of an egge/ somtyme with wyne/ and somtyme with oxicrata/ ⁊ somtyme with oyle or with other moystnes/ and this is in. iij. maners. The one is thre square/ ẏ prayseth Auicenna/ and they lay it on euery syde of the lyppes of the wounde/ and vpõ ẏ woũde/ ⁊ it causeth the fleshe to growe/ and the woũde to come togyder. The secõde is roũde/ ⁊ is layd vpon ẏ other to holde the naturall hete. The thyrde is foure square and they be layde for hurtynge of the bande.

¶ How that the wounded persone ought to dressed and ruled in mete/ in drynke. &c. Ca. xxv.

As the techynge of ẏ moost wyse person/ I wyll folowe ẏ techynge of Rasis Auicẽna/ Galien/ Lãfrãcus Guido/ ⁊ other maisters sayth. It is not good to gyue ẏ pacyent at ẏ fyrst wyne after ẏ he is woũded in the heede/ or in ony other place ther as many synewe is/ ⁊ moche blode/ for no thynge goethe so sone thrugh ẏ mẽbres and also ẏ braynes as ẏ wyne dothe/ ⁊ maketh moche vapores/ ther fore it is somtyme to ẏ hole pacyent hurtynge. The som persons that is hote/ ⁊ moyst that hath moche blode/ ⁊ is woũded in the heed or synewes/ he must forbere wyne tyll he be hole. Unto ẏ a colde person ye shall gyue wyne that is tẽpered after. iij. or. iiij. dayes/ whan ye be sure of the mẽbre ẏ there come no ympostume nor swellyng/ ⁊ his drynke shalbe barly water/ or water wherin is soddẽ crommes of breede/ or colde water in ẏ somer/ or with the. x. parte of ẏ wyne of a pome garnet/ or wᵗ the. vi. parte of vergyous. The parson ẏ is hote ⁊ dry of cõplexyõ/ he shal not ete fleshe/ mylke/ egges/ nor no mete that hastely chaungeth/ the pacyent shall be content wᵗ barly water/ or wᵗ oten pap/ or with mylke of almons/ except he that hath a woũde in ẏ heed/ therof speketh Lanfranc⁹/ ye shall gyue none other than of almons/ ⁊ no fruts that is wyndy ⁊ maketh vapores/ as hasyll nottes/ or other nottes the whiche is hurtynge to the heed/ also he may ete lectuse/ ⁊ crommes of brede sopped in water therin wyght suger/ ⁊ yf he be so feble that he may not be without fleshe/ ye shall gyue hym chekyns/ small byrdes or yonge gootes fleshe/ or vele/ with vergyous/ or wyne of pome garnet. This dyete ſhall he kepe tyll the tyme he be ſure frome the ſwellynge or of impoſtumacyō/ and yͤ is as the payne and the ſwellynge of yͤ mēbres gothe away/ and as the wounde gyueth naturally matter/ or it is heleth to the growynge of the ſkynne. And he muſt kepe hym from womans cōuerſacyōs. and as he is ſure of the forſayde ſo may he ete ⁊ drynke meaſurably of ſtronge metes vnto the tyme he come to his fyrſt eſtate/ than he may drynk good wyne/ and ete good fleſſh as hennes/ capons/ motton/ and of all that maketh good blode/ and that bryngeth nature in. ¶ If the pacyent be weke of complexcyon/ and hath by nature an euyll ſtomake/ it is nedefull at yͤ fyrſt to gyue hym fleſſhe that is dreſſyd with goode rotys or ſpecery/ as ſynamon/ gynger/ and other lyke/ but metely. Beſyde all this ye ſhall gyue hym in the begynnynge Idraſarckā that is goode of ſmellynge/ and .iii. dayes after the wyne ¶ If the wounde be with broken bones/ or the bone be broken without wounde/ ſo ſhall you gyue hym goode metes that maketh goode ſtrengthe in the bone agayne/ lyke as mele pappe made of whete mele well ſodden/ and gyue hym to ete of beſtes feetes/ heedes/ and eres/ and other thynges wherwith the body maye be the ſtronger. Wherfor it is nedefull to the Surgean to knowe the complexcyon/ the ſtrength/ and the age of the pacyētes/ and the vſe of the londe/ alſo yͤ tyme of the yere.

¶ Of the accydentes or fallynges of dyſeaſes that cometh to the woundes. ca xxvi.

The accydent of the wounde is amended after the nature of yͤ too fallynges/ The accydentes cōmenly commynge to yͤ wounde it is paynfull/ ſwellynge euyll complexcyon/ itchynge/ paralyſis/ the crampe/ febres/ ſlawnas/ and chaungynge of the wounde. ¶ The fyrſt ye ſhall knowe that yͤ woūde ſhall neuer cure vnto the tyme the accydent be taken away/ the accydēs cauſeth that it heleth not/ ⁊ payne draweth the matter vnto yͤ wounded place for to make an impoſtume/ that is a ſwell with a maner of reednes/ and for that the payne muſt be dryuē away/ yͤ whiche payne is cōmenly taken away with ſtrykynge the membre with warme oyle/ and yf you put therto yͤ whyte of an egge it is yͤ better and yf there be no grete heete/ do to yͤ oyle the yelke of an egge/ and that cleneth the wounde. Whan the payne is grete/ then it is nedefull to put therto a lytell Opiū/ or elles the barke of mandragora/ As Mayſter wylhelmus counſayleth. ¶ The .iiii. mayſters prayſeth therto to take yͤ Roote of nyghtica ſtāped with hogges grece/ but the mayſter Theodoric prayſeth a plaſter made of yͤ leues of ſmall malowes dreſſed ⁊ ſtamped with ſmall brannet ⁊ do therto a lytell oyle of roſes it is the better/ or make a playſter of the cromes of whyte breed layd in mylke one nyght/ ⁊ thā ſtāpe it ⁊ do therto oyle of roſes ⁊ the yelke of an egge/ ⁊ yͤ ſlyme of parſely ſede/ ⁊ yf it be nede/ do therto a lytell opium. But I haue in ſuche accydēce vſed in plaſters/ ſethyng malowe leues/ elder leues/ apiū/ ⁊ ſethe them i water ſtamped ſmall and do therto roſe leues

⁊ oyle of roſes the thyrde parte made warme/ and ſtryke it vpon a cloth/ and ſo lay it warme on the woũde. But in grete payne I dyd therto leues of iuſquiamus ſodden/ as aforſayd/ and a fewe leues of Nychtſca myxed therwith bycauſe it repercuteth ⁊ reſolueth. But i ÿ writer I toke dry rootes of pẽſedanũ/ and lynſeede/ malow leues/ all this ſtamped in powder with a lytell oyle of roſes ſoddẽ/ or ẇ olde bacon grece/ but that is not ſo good/ whiche more deſyre to rype thã to reſolue/ Therfore I haue done therto many tymes ⁊ a lytell walt roote/ or ambra in powder for to dry ÿ mẽbre/ yf there come an impoſtume ÿ you cowde not reſtrynge/ let it rype ⁊ cutte it vp and clenſe it and cauſe the fleſſhe to growe and hele it/ As hereafter ſhall be lerned in the chapytre of the in ituratyſe mũdificatiue ⁊ cõſolidatiue. ❡ If there be an euyll complexcyon ÿ is hoote/ it is to be knowen by the reednes and bladders aboute the place/ than make the place colde/ but not with mandragora or iuſquiami/ for that coleth not/ but taketh away the felynge/ therfore they ſhall be vſed alone in payne/ and to this colynge muſt ye haue that th it coleth and dryeth ẇ eaſe/ as roſes/ plantayne/ vnguẽtũ albũ/ Secondum Raſis/ with camfere/ ⁊ other defenſyue/ defendynge that membre/ lyke as I ſhall lerne you in Antithodario ❡ If the complexcyon be colde ye ſhall knowe it by ſoftenes/ and if ÿ place be whyte colowred/ make ÿ place warmd with wyne/ ſodden therin wormſeede and camamell flowres and reed arthemeſia/ and melilotum/ or with vnguentum baſilicon or fuſcum. ❡ If the complexcyon be drye and moyſty/ it may be amended ẇ his contrary. ❡ And if therto cometh the febres/ the crampe and wekenes/ than call therto the pheſycyon/ And often tymes or the pheſicyon can come ÿ pacyent may dye/ Therfore it is nedefull to wryte of the ſame wekenes/ for it is a way to the dethe/ and it is called by ſome mayſters ÿ lytell dethe/ Therfore ye muſt comforte the pacyent/ that the feblenes or fayntnes come not to hym/ and to auoyde ÿ people out of ÿ chãbre/ bycauſe they ſholde not make the chambre hoote/ nor to put the ſyke in fere/ And it is wyſdome whan the feblenes cometh on to/ gyue the pacyent a cromme of whyte breede deped in wyne ẇ roſe water/ and let hym drynke ſomwhat of the wyne. Therfore ſayth Galienus the wyne is of nature ſomwhat hote ⁊ gyueth comfortynge/ therfore gyue them that hath ſyncopin/ or to thẽ that is feble or in ſwownynge/ ſprynkle Roſe water/ or colde water in his face/ ⁊ yf there be no roſe water/ than ye muſt plucke hym by the noſe/ and by the eeres/ Crye lowde and call hym by his name/ ⁊ gyue hym a clappe on ÿ cheke/ and ye ſhall do all other thynges that the pheſycyon cõmaundeth you to do.

❡ A clenſynge water.

❡ If the woũde be ſtynkynge ⁊ vnclenly/ take lycoryce powder of eche an ounce/ and ſethe it with a pynte of wyne and do therto vitryole a dragma and waſſhe the ſore/ for it heleth newe or olde woũdes. Another for the ſame/ Sethe hony and water togyder/ and therwith waſſhe the wounde/ and after that take vnguentum apoſtolorum/ or vnguentum egyptiacum that is ſtronger/ and clenſeth very well/

❡ A ſalue.

as ÿ wey wormes cometh about ÿ woũde. Than make a ſalue of grekes pytche/ and with oyle olyue/ and ther ẇ ſtryke ÿ woũde agaynſt the bytynge of the wey wormes that is about the woũde/ do therto a lytell quycke ſyluer in vernyſſhe/ and medle ther with whyte leed/ and therof make a ſalue/ and ſtryke therwith the wounde. Alſo as a wounde is eten rounde about/ ſo ſtampe togyder Sauiana and reed coolys whiche is called in latyn bleta rubea/ and medle it with vynegre/ than preſſe that ſap out/ and mydle therwith whyte lede/ ⁊ ſalue yͤ wounde roũde about with that ſame/ and yf ye muſt cut the wounde open agayne/ ⁊ that he ſuffre grete payne/ than take groũde wormes in a panne/ and therto do oyle of roſes ⁊ let it warme ſoftely/ and ſtrayne it/ ⁊ do therto gentyll reed roſes/ ⁊ beenne floure/ and Roſyn well poudred tyll it be thycke as lyke a ſalue/ and when you wyl occupy it make it warme and lay it on the wounde/ and it wyll take away yͤ payne.

¶ If there come ony wormes in yͤ woũde/ take wormwoyd or abſitiũ in latyn ⁊ pſyclouerẽ/ or folia pſicarꝫ/ and ſaynt James herbe/ all togyder ſodden in wyne/ ⁊ lay it on the wounde/ and it ſhall helpe them.

¶ Of the generall woũdes i the heed.

Ca. xxvij.

The heed is ſomtymes wounded with cuttynge/ and ſõtyme with puſſhynge ⁊ cõtuſye/ ⁊ this appereth bothe ſõtyme without wounde or without brekynge of yͤ brayne payne/ and ſõtyme with brekynge of it/ and the brekynge is ſõtyme thrughe goynge/ and ſõtyme not/ and theſe be ſõtymes ſmall/ and ſõtymes grete/ and of this ſõme be clene/ and ſõme with accydẽtis of payne and impoſtumaſcyon/ and hurtynge of the pãnycles. The tokens of fracture or rence of the brayne panne is taken in ſundery maner/ Fyrſt of hye fallynge/ or with a grete ſtroke. The ſeconde is as yͤ contuſye or woũde is very grete. The iij. is for the payne that he ſuffreth often tymes/ he layeth his hande on the place/ and with your fynger you ſhall knowe the thynnes of the ſkynne ⁊ the departynge of the bone/ and as he bloweth or kepeth his breth inwarde/ thẽ ſheweth yͤ moyſtnes comynge out thrughe yͤ rente/ and departynge of the bone. The .iiij. is/ of the accydente comynge in the ſame tyme as a Paſy fallyge/ or ſwymmynge in the heed/ or in forſenes of ſpekynge/ or in parbrakynge. The .v. token is/ as ynke or maſticke is ſtrykyng vpon the departynge of yͤ bone/ and yf there abyde ony blackenes in the departynge/ or ony drynes vpõ yͤ pla of the wounde whan it is anoynted/ this ſame is a true token of a rente or departynge.

¶ The tokens of the cuttynge of the pãnycle is of ſondry maners. Fyrſt of the payne knowynge/ for incontynente foloweth the ſwymmynge of the heed or fallynge/ that is Vertigo or Scotomia in lattyn. The ſeconde token is/ the coloure of the face/ or eyen/ for as the face is reed and full of ſmal pymples/ and his eyen ſemeth reed wᵗ darknes. The .iij. is/ as the blood gothe out of his noſethrylles/ through the mouth/ and through the eeres. The .iiij. is/ as his ſpeche fayleth hauynge no vnderſtandynge/ ⁊ ſhakynge with the ares/ or perbrakynge or may not ſlepe/ nor make his water.

¶ The token of the woundynge of the brayne maye be knowen by ſundry maners. Fyrſt as gothe grete cloddes out of yͤ woũ de and no matter. The ſeconde is/ as his vnderſtandynge is from them/ and whan the wounde is on the foꝛeheed/ and as the wounde is in the hynderparte of the heede ſo loſeth he his memoꝛy/ and that the pacyent therto haue grete fere and ygnoꝛaunce. ¶ The token of comynge of an impoſtume is to knowe by ſundꝛy maners. Fyꝛſt/ as yͤ pānycles is blowen hyer than the woūde/ and ſemeth reed/ and moueth not. The ſeconde/ as yͤ eyen is reed ⁊ ſwollen/ ſemeth as they wolde fall out. The .iii. is the axes with comyng of heet. The .iiii. as yͤ myght is altred in ſpaſma/ crampe/ axes/ and in madnes. ¶ The ſentence ¶ The brekynge Crane oꝛ braynpāne is very peryllous ⁊ the cuttynge of the brayne/ ⁊ the coꝛrupcyō ⁊ woūdyng of his pānycles yͭ is deedly as ypocras ſayth/ but as the woūde is very ſmall. Therfoꝛe is the euyll accydentes and tofallynges peryllous and deedly/ as he abydeth ⁊ not departeth/ lyke as axes/ ſhakynge/ crampe/ ſwoynnynge/ oꝛ ſwellynge of yͤ eyes/ ⁊ darknes and reednes of the eyen. ¶ In the fracture oꝛ woundynge of the heed muſt be taken hede foꝛ the peryll and accydentes the ſpace of .C. dayes. as yͤ mayſter Rogeri⁹ ſayth. And ſomme other mayſters ſaythe .xlvi. dayes/ ⁊ than is the laſte terme out of yͤ ſharpe ſykenes. And as the .iiii. mayſters ſayth/ it ſhall be .xv. dayes. foꝛ than is the terme out of the ſharpe ſykenes. ¶ If the blacknes of the pānycle called Dura mater may not be clēſed with hony/ it is a tokē of dethe/ as Paul⁹ ſayth And the fracture crauei oꝛ braynpāne in yͤ full of the mone/ it is grete peryll and Ieoperdy yf the pacyent ſhall ſcape of yͤ dethe. as Rogerius ſayth. ¶ In the conſolydacye oꝛ helynge of the braynpanne/ it is good yͭ ſheweth reed fleſſhe. ¶ In the wounde of the heed is good ſmal ſwellynge/ and good dyſgeſtynge of the matter. And yf the ſwellynge be grete and gothe away haſtely wͭout a reaſonable cauſe/ that is very yll.

¶ The mayſters dyſcoꝛdeth in this cure. Som mayſters they woꝛke in al heed woūdes with vncoueryng and cuttynge the bone/ foꝛ cauſe of yͤ euyll matter that within crancum oꝛ braynpanne is gadereth/ may ſoftely be clenſed and dꝛyed. Somme other mayſters as Ancelmus of Gene/ and ſom of Padua/ and all yͤ Frence mayſters/ and the Engglys mayſters/ they woꝛke with fleſſhe growynge and conſolydatyfe oꝛ helynge with theyꝛe plaſters/ dꝛynkes/ and good wyne/ and with byndynge. and they ſay/ yf the matter may be taken out wͭout takynge of yͤ bones with medeſynes oꝛ dꝛynes/ it is the beſt that may be done. ¶ Theodoꝛicus cauſeth the fleſſhe to growe in the wounde with dꝛynke/ ⁊ wyne with towe. Henric⁹ heleth the wounde without dꝛynke with his plaſters. and bothe theſe mayſters vncloſe ⁊ lyfte vp the olde fracture as it is paſt .iiii. oꝛ .v. dayes. And Lancfrancus woꝛketh in all woundes makynge fleſſhe with tentes/ whiche he depeth in twoo partes of oyle of roſes/ ⁊ one parte of hony. and dothe therupon a mōdyfycatyfe of barly mecle and hony/ oꝛ with roſyn and waxe with the heedpowder/ excepte in two accydentes. The fyꝛſte as the bone preſſeth. the other as it prycked. foꝛ cauſe/ ſom ſaythe yͭ in yͤ woꝛkyng wͭ the inſtrumentes of yꝛon foloweth often moche peryll ⁊ hurtynge of the alteracyō of yͤ ayꝛe/ wherwith cometh the impoſtumacyō. In yͤ cure is nedefull to haue mayſters of ſundꝛy dyſcrecyon. Therfoꝛe I wꝛyte .ix. lernynges which Guydo wꝛyteth ī his ſurgery. ¶ The fyꝛſt lernynge is/ that the wounde of the heed hath moche indyfference of the woundes of yͤ other membres/ the gentylnes of the mary/ and for the roundnes of the brayne can not be preſerued with byndynge/ lyke the woundes of other mẽbres be. ¶ The ſeconde lernynge is/ that to the wounde of the heed yͭ is grete/ it is nedfull to be lette blood on yͤ vayne/ and a purgacyon in the bely/ at the leeſt ones a day goynge to the draught by themſelfe/ or with ſome ſuppoſitoria/ or with a glyſt/ or with ſome other thynge to auoyde with ſoftnes/ for to take out the euyll humours thrughe the way whiche may be yͤ leſſe payne to hym/ and that the rennynge of the blood may be ſtopped/ and the accydente may be mẽded. ¶ The .iii. lernyng is that to the wou͂de of the heed ye ſhall ſhere of the heere/ and make it moyſty with ſomwhat water ⁊ oyle/ As wylhelmus ſayth/ ye muſt take heede that there come no here nor water/ nor oyle to the wounde/ for yt wyll let the helynge/ ⁊ in the begynnynge doth that yͤ matter and yͤ paynes be leſſed/ and do in the wounde yͤ whyte of an egge/ and after that begynnynge it clenſeth the wounde/ and maketh the fleſſhe to growe/ as it may be ſayd hereafter/ The ſydes and the wounde rounde aboute ſhall be often tymes anoynted withe the ſalue of Bolus or with oyle of Roſes/ to ſlake yͤ euyll maners and payne/ and that the impoſtumacyon come not therto. ¶ The .iiii. lernynge is to take hede that the wounde take no colde/ lyke as Ipocrates ſayth/ the colde is euyll to the ſynewes/ bones/ mary/ and alſo puſſheth and chaungeth the ayre of the pryncypall membres/ and therfore wylhelmus gyueth counſayle/ that in the wynter as the wounde ſhall be dreſſed/ ye muſt haue therby a panne with brennynge coles and candell lyght/ and the wyndowes cloſed/ ⁊ after the byndynge the heed muſt be couered with a coyfe made of a Rāmes ſkynne. ¶ The .v. lernynge is/ yf the wou͂de haue matter/ in the wynter ye ſhall dreſſe the wounde but ones on the day/ and in ſomer twyſe a day/ and the dreſſynge and clēſynge ſhall be with cotton or with ſofte lynt or lynnen cloth ſoftely without payne. ¶ The .vi. lernynge is/ that ye ſhall lay on the tent a pece of a ſofte ſponge/ that therwith may ſucke/ and kepe the matter for fallynge downe on the brayne. ¶ The .vii. lernynge is/ that ye ſhall haue a ſubſtancyall bande of a yarde longe or more/ ⁊ of .iiii. fyngers brode/ and that you ſhall roll togyder ſaue .ii. handfull of the ende/ therwith begyn to bynde after the length of the heed/ ⁊ pullynge to the contrary eere of the wounde/ and that other party at the eere of the wou͂de/ not coueryng the eere/ and lede the bounde ſtyffe aboute the eere /and let that bande come downwarde to the fyrſt byndynge/ ⁊ do it ſo often tyll the heed be well bounde/ after that maner the mayſters of Bonony byndeth the .ii. endes vnder yͤ chynne/ they of Parys ſoweth in the myddes of the forheed/ and yf ye wyll cauſe the medecyne to holde alone vpon the wounde/ than muſt ye make a bande with many endes of a grete pece of lynnē cloth of .iii. hādfull longe/ and of .ii. hande brode/ and cut that on euery ſyde .iii. fyngers brode/ ſauynge a hande brede in the myddes/ and with the endes ye ſhall bynde behynde comynge aboute the necke vnder the chynne. ¶ The .viii. lernynge is/ yf there be ony ſcale of bones lefte/ than waſſhe the ſore with wyne/ and if there be none ares/ gyue them this capytall or heed powder of Pimpinella/ Betonia/ Gariofilata/ Valeriana/

Osmūda/ and take as moche of Piloſella as you ſhall take of all the other aforeſayd

¶ The.ix. lernynge is/ that the pacyent ſhall be ſet and layde in yͤ begynnynge vpō that ſyde that leeſt greueth hym. And as yͤ wounde gyueth matter/ thā ſhall he lye on wounded place to make the matter the better auoyde. This is the afore wrytten.ix. lernynges/ belongynge to the woundes in the heed ¶ Item. Of the woundes in the heed in the begynnynge tyll the be ſure frō impoſtumacyon/ ſhall be mitigatyue ſoftenynge/ lyke the mydlynge is of thre partes oyle of roſe/ and one parte hony/ and yͤ olde mayſter in ſexto Terapentis taketh ther to oximel. And yf ther be no payne/ ſo take.iii. partes of hony/ and one parte oyle of roſes for to clenſe more better the wounde.

¶ Whan the wounde is ſure from the impoſtumacyon/ ſo muſt the medecyns and drynes be dryenge without pryckynge/ lyke the heed powder. & that ſhall be made thus after the lernynge of mayſter Auicenna.

¶ An heed powder.

Take yrios/ Ilirica/ Orobi farina/ Māna que eſt thus minutū/ Arſtologie/ Corticibus radicis papaueris. Mayſter Brunus dothe herto Mirrā/ Sarcocollā/ Sāguinem draconis. Lancfrancus & Wilhelmus alſo Myrtillos/ & nuces Cypreſſi.

¶ Of the woūdes in the heed whiche fortune by cuttynge without brekinge of the brayne pāne. Ca.xxviii.

If the wounde be ſymple without loſyng of yͤ ſubſtaunce/ that ſhall be ſowed/ bounde/ and heled lyke another wounde/ & yf it be ſo that the wounde loſe his ſubſtaunce/ ye ſhall cauſe the fleſſhe to growe agayne with tentes/ powder/ ſalues/ and plaſters/ and hele it lyke another wounde. The ſowynge is not onely profytable to a ſymple wounde of the heede/ but alſo in many other grete woūdes of yͤ heed and cauſed the departynge woundes to byde to gyder/ and chargeth from the alteracyon of the ayre/ whiche dothe moche harme to the woundes. If it is a ſmale wounde cuttynge/ and gothe not through the brayne/ ye ſhall ſowe/ and clenſe it as is aforeſayd. And yf it be a greter cuttyng or wounde in the vpper parte of the heed/ it ſhal not be ſowede/ but on the ſyde/ and put therin oyle of roſes takynge away the payne. As the wounde cometh to the ſynewy pannycle that couereth yͤ brayne pāne. This oyle alſo loſeth the loſe bonys therin hangynge/ that they may yͤ better be taken out. These oyle of roſes alſo taketh awaye yͤ ſharpneſſe as the pannycle within is clenſed with ho-
The oyle of roſes aforeſayd recyueth the woundes there in is payne/ and dryueth away the euyll dyſpoſycyons of them.

¶Of the woũdes in the heed come by cuttynge and brekynge of the brayne panne/ & not thrughe perced. Ca. xxix.

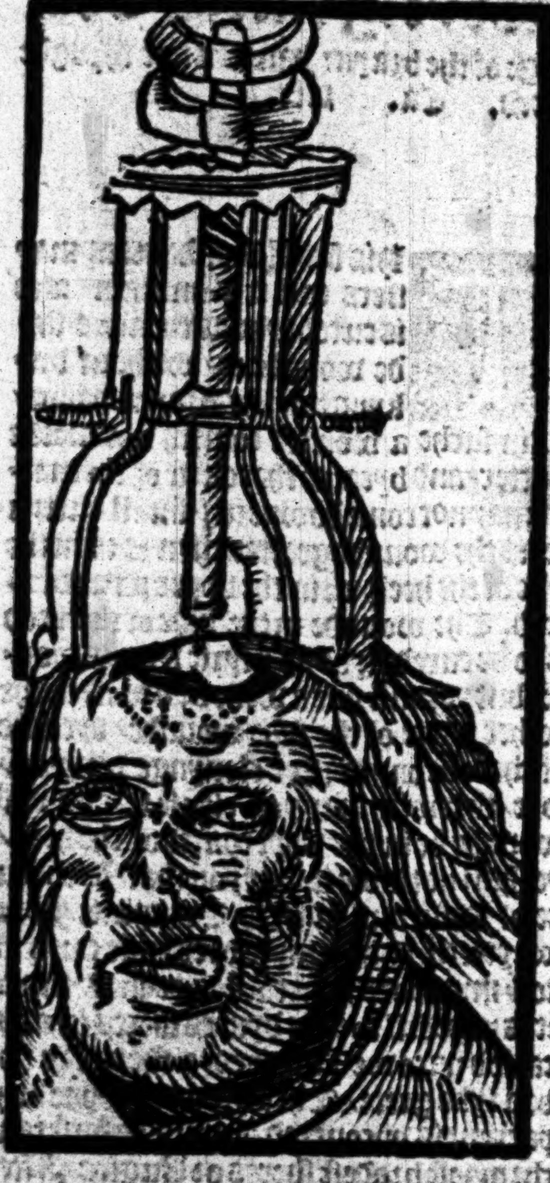
THis ſmall woũde many maiſters call it Rimulam/ and is cured lyke as the afore ſayde wounde is/ without brekynge of the brayne panne/ for in ſuche a wounde cometh not moche matter/ and bycauſe the courſe of the matter may not come downe in yͤ ſmall cuttynge/ is the wounde gretter than it is in the ſyde of the heed/ or in the vpper parte of yͤ heed. The wounde in the ſyde of the heed is to be cured/ lyke as yͤ fyrſt ſymple wounde/ but ye muſt put a weke or a tente in the nether parte of the ſyde wounde/ bycauſe yf there be ony matter cleuynge within yͤ ſore/ therwith may you clenſe it/ and yf yͤ wounde be in the vpperparte of the heed/ ye ſhall not ſowe it/ but you ſhall do the cure of Galienus in ſexto Terapenti/ as he wryteth/ The ſymple brekynge comynge to yͤ myddle of the .ii. tables craney/ therto it is nedefull to take dyuers ſheres/ that is called narowe Rugines/ & they may not be a lyke grete/ Therfore as the bone of yͤ pacyent is vncouered/ ſo muſt ye fyrſt take the mooſt brodeſt ſheres or Rugine/ After that take the next ſheres that is narower/ than after that take the ſmalleſt of all/ and this ſhall you do at all tymes in the myddes of the .ii. tables. And yf the payne deſyre none other/ ſo ſhall yͤ cure be haſtely wᵗ drynes tyll it be brought to the ende/ this wounde may not be ſowed in the myddes of yͤ heed/ bycauſe ſhe may not clenſeth by herſelfe/ Therfore ſhe muſt be dryed with tentes/ and with other thynges to ſucke out yͤ matter/ or elles there myght abyde corrupcyon in the myddes of the .ii. tables to the hurtynge of the bones.

¶Of a woũde in the heed throughe cuttynge/ with brekynge of Craney without loſynge of ſubſtaunce to the inner mooſt couerynge or ſuperficion ouer the brayne throughe perced. Ca. xxx.

SOmtyme ſuche a woũde wyll haue ſquyrles or ſharpnes/ & ſome wyll not/ and they be euen/ and yf the wounde haue ſquyrles that myght prycke and hurte the pannycle dura mater/ they muſt be made euen/ and as the ſharpnes is euen made with a lenticulare/ and with other inſtrumentes/ then is ſhe heled in maner as the woũde ſpoken of in yͤ other chaptre. Therfore ſayth Galienus/ In the woũde that cometh to the pannycle/ and is alone owne rupture or cuttynge wout leſynge/ ſo ſhall you occupy the aforeſayd ſheres/ & that muſt you do as the wounde is in bregmate/ that is in the vpper parte of the heed

And to the wounde that is on the ſyde of the heed/ Galienus deſyreth no inſtrumēt/ but ſowynge and clenſynge with tentys. Here vpon he ſayth he hath ſene that bone Bregmatis/ ⁊ vnder that is the bone tympoꝛalis that is the ſleppynge bone/ that hath a grete clyffe/ he touched it not/ but he cut alonely of that bone Bregmatis/ and ſo heled the parſone/ that he lyued after many a fayꝛe daye. And yf he had lefte that bone Bregmatis therin ſtyll/ it ſhold anone haue coꝛrupteth that pannycle/ oꝛ Mirinx/ oꝛ Miringa/ oꝛ the fracture is fiſtned oꝛ poꝛoſed ¶ Galienus ſayth the cauſe of ẏ cure wherin is none euyll matter/ noꝛ vnclene moyſtnes/ there is no nede to cut of the bone/ bycauſe that in the ſlepe of the heed deſcendeth no matter. And yf ther ony matter cometh foꝛ it is in a good place foꝛ to clenſe. ¶ And the afoꝛeſayde Galienus wꝛought in another parſone on the ſame maner/ he was aferede to touche the bꝛayne/ bycauſe of the hardnes of the ſleppynge bone. Therfoꝛe he made none hole thynkynge that the bꝛayne ſholde come out thꝛough it/ and alſo bycauſe that thꝛough the ſyde moche explantacyon of the noble ſynewes gooth out.

¶ Of the wounde of the heed with cōtuſyon and ſmall bꝛekīge of the bꝛayne pāne. Ca. xxxi.



If the fracture oꝛ bꝛekynge be [illegible] [illegible] ẏ [illegible] the lentyculare/ or other inſtrumẽtes make it euen/ therafter as the wounde be dreſſed/ ye ſhall lay ther vpon ſofte ſylke wet in hony and in oyle of roſes/ and with yͤ ende of the inſtrument ye ſhall put in the lynnen cloth bytwene dura mater and the bone of the brayne pãne in defendynge that through remeuynge the pãnycle be not hurte of the bone/ and put ther vpon ſofte tentes that is a lytell wette in yͤ hony and oyle of roſes/ and than lay a pece of lynnen clothe theron wette with that ſame/ for lettynge of the matter to come agayne/ And yet you ſhall lay in the wounde of the fleſſhe/ other dry ſcrappynge of lynte/ or a pece of a ſponge/ there as the matter may drynke in/ and do ther vpon an heedplaſter goynge through/ and that the matter cloſe not therin/ and in the laſt lay towe wette in hote wyne preſſed out/ and ther vpon lay drye towe/ and bynde it ſoftely that it may abyde/ and not to harde for hurtynge. ¶ And as the woũde is well clenſed ye ſhall take of the fyrſt clothe/ and put vpon the capytalle or heed powder/ to cauſe the fleſſhe to growe in yͤ wounde/ & as the fleſſhe groweth/ ye ſhall cloſe the wounde with Conſolidatyfe and cicatrizerynge powder.

¶ Of the wounde with cõtuſyõ and without brekynge of the brayne panne

Ca. xxxij.

AUicenna cõſayleth/ that in ſuche a woũde yͤ matter ſhall be reſtute or reſted/ at yͤ begynnyng after yͤ cõmon dreſſinge/ is yͤ whyte of an egge & yf ye wyll do therto oyle of roſes/ for it ſofteth and doth good/ and therafter reſolue the matter with ſalte wyne/ & hony/ and yf there come matter let it rype/ and open it lyke an other exiture.

¶ Of the woũdes of the heed with contuſyon & with lytell brekynge of the braynepanne Ca xxxiij

IF the fracture be lytell it ſhall be cured lyke yͤ contuſyon aforeſayd (after yͤ ſayenge Galieni) The hole curacyon of this woũde is yͭ it ſholde be reſolued cauſynge not to come ouer grete matter. And Auicenna ſayth in yͤ thyrde Canon. That it is nedefull to dryue the payne away as ſhortely as it may be/ and preſerue yͤ place of yͤ woũde/ that an inpoſtume come not/ & muſt be done with euacuacyon/ & attractyfe to the contrary ſyde with lettynge & with ſharpe glyſters/ and ab pillis cocis.

¶ Alſo lay in the begynnynge vpon the place a plaſter comfortatyffe accordynge to it

¶ A confortatyffe plaſter.

Make this plaſter with water of Myrte/ of wyllowe/ of taſyll called Virga paſtoris. or of the oyle of Mirte/ of lylyes/ of roſes/ ⁊ of the powder Roſary/ Balauſtiary/ Cypreſſy/ Calami/ aromatici/ Leucium/ Camomell/ Mellilote/ Boli armeni/ aluminis/ Mirre/ Olibani/ atqꝫ Citonii/ medled wᵗ wyne. and do in the drynke Sticados with water and hony/ and therwith is he eaſed of the payne/ as the mayſter Auicēna ſayth. And whan the blode cometh out of the brayne of the ſtroke/ ſo muſt you gyue the pacyente to drynke the braynes of coſted hennes with water of Garnet. Theodoricus maketh therto a plaſter/ cum baccis lauri/ cimino/ aniſo/ ſale/ thure/ atqꝫ ccribatura furfuris/ dreſſed with wyne. And ye maye gyue for this fracture a good drynke/ for by nature of hym ſelfe with lytell helpe may be holpeu.

¶ Of the cōtuſyō with a grete fracture and brekynge of the brayne panne. Ca. xxxiiij.

If the fracture be grete/ it is nedefull to go to the Surgery/ and to yͤ more makynge of the fracture/ that proueth Galienus i ſexto/ ⁊ Auicenna in quarto. Therfore it is nedeful in grete contuſyon to vncouer it and to make greter ſom parte of the fracture/ by cauſe the pannycle may be cloſed of the euyll matter. Therfore ſayde Guido/ ye ſhal not worke after yͤ mayſters that ſayth they wyll cure with theyr drynkes without ſurgery/ and rayſynge of the bones/ it is poſſyble of the ſmall contuſyon but not in the grete contuſyon. ¶ Therfore it is nedefull to go to the Surgery/ of yͤ fracture of yͤ brayne pāne/ yͤ whiche Galienus ſayth wᵗ ſhorte wordes in ſexto Terapētice/ yf yͤ woūde be wᵗ grete cōtuſyō/ yͤ bruſynge muſt be cut out wᵗ a terrybell or perſer borynge fyrſt about/ ⁊ after that vſe cuttynge knyues or tortelles in yͤ begynnynge. Therfore ſayth Guido. viij. lernynge is nedefull to this workynge/ after that he ſet that worke and operacyon concordynge wᵗ Galieno/ Haly abbate/ Paulo/ and Auicēna. ¶ The fyrſt lernynge is/ that ye ſhall not worke there as the moſt ſykenes is/ for Galienus ſayth there as yͤ deeſes is ye ſhall not worke. ¶ The. ij. lernynge is/ that for all ſayenges take heede for to ſpeke of the peryll that yͤ pacyent be not in fere. ¶ The iij. lernynge is/ yͭ ye in the workynge take heede of the cōmyſſures of the brayne pāne as nere as is poſſyble that yͤ pacyent ſholde be in no fere of fallynge ⁊ hurtynge of dura mater/ as is ſayd in yͤ Anothomia. ¶ The iiij. lernynge is/ take hede of the full moone/ then is yͤ brayne more gretter ⁊ cometh vnto the brayne pāne. ¶ The. v. lernynge is/ that yf the braydynge be in yͤ nether pte of the wounde it may the better be clenſed. ¶ The. vj. lernynge is/ that ye in the braydynge folowe not the ende of the cleuynge/. for Galienus ſayth it is ynoughe takynge of ſo moche from the bones that the matter may be cleſed out. ¶ The. vij. lernynge is/ yf the bone ſtande ſtyffe that ye wyll take ont/ than put therin oyle of roſes/ and therwith the bone ſhall be loſed/ and than without payne ye may take it out. ¶ The .viij. is/ that you haſte with the worke as faſte as is poſſyble/ and mooſt in perſſyng ȳ prykynge of the pannycle/ for cauſe incontinēt cometh the impoſtumacyon and euyll accydent/ and in the deſcendynge of the matter abyde not tyll the ſeuenth daye in the ſomer nor the fourthe day in the wynter/ for ſere that in the pannycle ſholde fall ſuche perſſynge/ that the workinge ſholde be nought ¶ Of this workynge ſpeketh Auicenna in quarto/ that in the fyrſt ye muſt ſeuere the heere from ȳ heed of the wounde/ ⁊ make .ij. cuttynges therin cleuyng croſſe wyſe or/ after this fygure > as Lancfrāc ſayth and the one cuttynge muſt be the clenynge of the wounde/ after that ye muſt vncouer all the bruſed bone wherin the hole ſhal be And as the blode cometh rennyng out ther in/ ſo muſt you fyll the wounde with clowtes/ whiche clowtes muſt be wette in water and vynegre/ or in the whyte of an egge And yf there come no blode/ ye ſhal fyll the wounde with fyne lynnen cloth dry. And after that ye ſhall do thervpon the lynte of lynnen depte in wyne and in oyle/ and bynde it than to ȳ wounde as therto belongeth And yf there be none euyl accydent comyng ye ſhall begyn to hele the broken bone/ but fyrſt cauſe the pacyent to ſyt as therto belōgeth/ and after that ſtoppe his eeres with wolle/ or with cotton/ ſo that he be not hurt by with the clap of the ſtroke/ And loſe the bande of the wounde/ and cauſe the clowtes fall out/ then drye the wounde. Then take .ij. men and let them hold with ſofte clothes the corners of the wounde/ and yf the bone be feble and haue ſmall holdynge/ then departe it with cuttynge knyues/ and with the lenticulare/ and yf it be nedefull to ſtryke as the hammer/ do it ſhortly withoute longe taryenge. If the bone be ſtronge/ bore ther throughe many holes with the trepane tyl it be departed from the other bone And than as you wyll take out ȳ bone/ ye ſhall it lyfte vp with one eleuatory to ȳ tyme the one bone be departed from the other and take it out with your fynger/ or with a lytell tonge/ and ther after ſhall you make euen ȳ ſharpnes of the bones. And than ſhall you cure the wounde of the bone lyke as is aforeſayd of the fracture with the loſynge of the bones.

¶ The mendementes of accedētes or euylles fallynge. Ca.xxxv.

If there come impoſtume to the wounde/ and happeneth mooſt by the perſſynge of the bone/ or of ȳ tentes/ byndynge/ or by colde/ or euyll cure/ thā muſt you haſtely lyfte vp and departe the cauſe/ takynge therto ȳ matter as lettynge blood of the vaynes and with other purgacyons ſoftenynge the place with hote oyle of roſes and with hoote water/ wherin is ſoden hye malowes/ ſenigreke/ lyneſeed/ camamylle/ or with a plaſter of populeon/ or malowes. And yf there come ony blackenes in the pannycle by the operacyon of the medecyne/ ye ſhall clenſe it with hony/ and oyle of roſes.

eyes the blackenes cometh by hym ſelfe/ & cometh towarde the eyes with other euyll tokens/ then is there no truſt of lyfe in the ſyke pacyent. For mayſter Paulus ſayth The blackenes betokeneth the dyſtruccyon of naturall hete.

¶ Of the dyntes of the brayne pāne lyke as a kettyll is dynted/ whan they fall vpon a harde ſtone.

Ca. xxxvi.

If ony come to you that is dynted with a cudgell/ or with a ſtone/ or is fallen from ſome hyghe place/ ÿ the brayne panne is broke that may you knowe by ÿ tokens aforeſayde. If the ſkyn and ÿ fleſſhe be hole then cut the ſkynne cros ſquare/ that ye maye ſe the brekynge of the heed or brayne panne. Then take whyte lynnen clothe and depe it in oyle of roſes/ and medle it with the yolke of an egge. and yf it be nede to ſtop ÿ blood ſo do to the foreſayde oyle this powder here after folowynge.

A powder

Take Mumie/ half an ounce. Boli armeni/ Aluminis/ zuccarini/ of eche a dragma and therof make a powder. And yf it wyll not ſtop with this powder/ ſet ventoſes or hornes without ſkerynge on the backe of the necke/ and that ſtoppeth alſo the bloode/ & dryueth behynde the wounde. And whā you dreſſe hym the ſeconde tyme marke the nature of the pacyent/ and of the wounde/ an yf he be ſtronge or feble/ or yf the fracture be croked or ryght/ hoked or rounde. Then ſtoppe his eeres for herynge of the ſtrokes/ and thā loſe out the croked bones. And take hede alwayes of the ſkyne of the heed or brayne panne/ and for the pannycle that lyeth vnder ÿ brayne panne. If the brayne panne be dynted in without departynge thā drawe out that dynte with your inſtrument/ and yf it wyll not come out/ ſoften the ſame place wt oyle of roſes/ ſo that it may come out without payne. If the one dele of the bone lye vnder the other bone of the brayne panne/ weken it with oyle of roſes/ and then lyfte the bone out with one of the inſtrumentes ſtandynge in picture after this chaptre. Marke pryncypally the wekenes/ or feblenes/ of ſtrength of the ſyke pacyent/ yf he be yonge or olde/ and what you wyll worke on a day in a ſtronge parſon/ that do in a feble parſon in .ii. or .iii. dayes. and waſſhe it euery daye with oyle of roſes medled with roſe hony/ and with bolo armeno. If the ſtroke be on the place there as the heed and the brayne panne is bounde togyder/ then is the wounde in peryll to cutte/ for in that place the ſynewes/ the brayne/ and the brayne panne is bounde togyder/ and that the wounde chaungeth often tymes with payne/ and that cometh by the heuenes of ÿ brayne/ and it is the cauſe of dethe. The wounde in ſuche a place is peryllous to hele/ therfore take not lyghtly vpon you to take out bones/ pryncypally with wekenge with oyle as is aforeſayd. And when that you haue taken out that bone then lay in ÿ wounde lynnen clothe depe in the oyle of roſes medled with roſe hony/ after that the wounde is grete and ſmall/ and laye one clothe vpon another tyll the wounde be full.

after that lay vpon the wounde cottō depte in oyle of roſes/ and a lytell boly armeni/ and therwith dreſſe it/ and lay thervpon a couerture made of ſhepes ſkynne/ and bynde it faſt thervpon. Or helpe them thus whā that you haue ſhorne of the heer/ thā dreſſe the heed with oyle of roſes warmed. The ſeconde day cut the ſkyn open/ and fyll the wounde with lynnen clothe depte in oyle of roſes medled with the yolke of egges made warme a lytell/ and dreſſe it therwͭ tyll the broken bones departe/ and euer do your dylygence and dreſſe the heed often tymes with defenſyffe vnto yͤ tyme the wounde be hole. Than take hede that the pacyent may do his eaſement/ ⁊ that he at the fyrſte be let blood on the vayne. ¶ These aforeſayde thynges you muſt take for all dyſeas of the heed from the begyñynge tyll you be ſure that no impoſtume come therto/ for yf impoſtumacyon come therto it is deedly.

Therfore ye ſhall knowe that this ſalue made of oyle of roſes and hony clenſeth all the impoſtumacyons of the brayne/ and yf it be not dryuen away therwith/ than is yͤ wounde deedly. ¶ And as the wounde is clenſeth/ and the pānycle aboue to the brayne panne groweth/ than put the powd̄ therin/ for it ſtrength to yͤ brayne/ and maketh the wounde hole/ ⁊ gadereth therin freſſhe fleſſhe/ ⁊ it is very good to laye ther vpō a grene wounded plaſter/ or the plaſter of mayſter Ancelmus of Genes.

A powder.

And the powder aforeſayde is made thus. Take Olibani/ Cyperi/ nucis Cypreſſy/ Myrtillorum/ Myrre/ of eche an ounce. farina Orobi. ii. ounces. all this made in powder/ ⁊ ye ſhall occopy it in this maner. Take a cloth and depe it in wyne/ ⁊ wrynge than the wyne ſomwhat out of the cloth than take the powder and ſkatter it vpon yͤ clothe/ and lay it vpon the wounde.

Another maner to make powder.

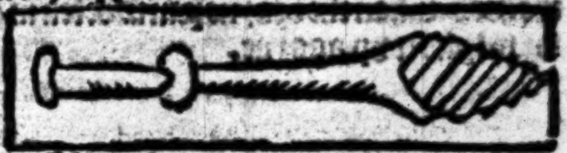
Take Mumia/ Dragantum/ gommi Arabici/ of eche an ounce/ ſanguis Draconis/ farina Orobi/ Myrtillorum/ of eche halfe an ounce/ and herof make a powder for that is good in the ſomer/ and the other aforeſayd is good in wynter. And therof ye may make alſo a ſalue with Roſyn/ ware/ and oyle/ as you make other ſalue/ to knowe/ to. xxiiii. ounces of oyle/ ye ſhall take iiii. ounces of ware/ vi. ounces of roſyn/ ⁊ medle therwith ouer the fyre. iii. ounces. of that powder. And yf you wyll haue the fleſſhe to growe put therto this powder of nucis Cipreſſi/ Galle/ farine Orobi/ of eche an ounce. ſanguis Draconis/ Maſticis/ of eche halfe an ounce. and make therof powd̄

¶ Another maner of powder

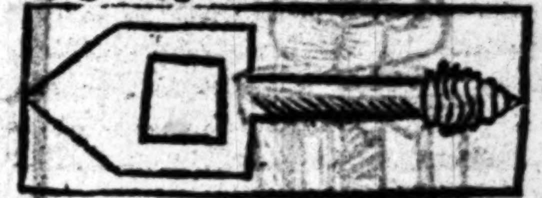
¶ Take Litargirum/ Thutia of eche an ounce/ Thuris/ Maſticis/ of eche halfe an oūce/ Mumie/ Mirtillorum/ Galle/ Nucis cipreſſi/ Farina orobi/ of eche. iii. dragmas and therof make a powder/ and yf yͤ wounde growe ranke of fleſſhe then clenſe it wͭ vnguentum apoſtolicum ſecūdum Auicennam/ ⁊ thervpon lay oyle of roſes/ whyte roſe hony. ¶ If the brayne be not broken/ than you nede no more but dreſſe yͤ heed wͭ oyle of roſes and boly armeny/ and lay vpō the heed a plaſter made of newe ware and myrtyll powder that bryngeth ſtrength to the brayne and defendeth the place that no moyſtnes nor ſwellynge come therto/ alſo there is no better comfortynge to the heed/ alſo yf the brayne pan be brokē or not/ lay euery day yͤ foreſayd oyle rounde aboute yͤ woūded place vnto the. x. day/ and yͤ wynter vnto the. viii. day/ and the pacyent may drynke no wyne/ but barly water or water of lettuſe/ or of gordes. If he be ſore ſyke gyue hym to ete hennes/ chekens ſodden wᵗ lettuſe and wᵗ the ſede of goordes/ all after as he is hoot of cõplexyon/ ⁊ he be in a hoot countre/ than he maye drynke ſtrõge wyne or garnappell wyne/ and ſo rule thẽ .vii. or .x. dayes/ vnto the tyme ye ſe ye be ſure of yͤ impoſtumacyon/ ⁊ gyue hym to ete moyſt fleſſhe and motton/ for the moyſtnes of the fleſſhe maketh yͤ hardnes of the braynepan ⁊ ye may gyue hym roſted peres/ partryces/ ⁊ ſmall byrdes/ ⁊ he may drynke no wyne therfore gyue hym water to drynke with yͤ cromes of breed/ pryncypally the parſone that is hote of cõplexyõ/ or be of hote coũtre. All theſe aforeſayde thynges cõforteth the mawe. ¶ And yf there be ony parſone ſmyten vpon the heed wᵗ a clobbe or ſtaffe/ or by reaſon of a fall/ wherby yͤ braynpan is bruſed ⁊ indented ⁊ nothynge parceyued in the pannycle that it is towched/ ye ſhal ſheere of the heere/ ⁊ take Aloepaticũ/ ſanguis Draconis/ Myrra/ Olybanũ/ reed Corall/ of eche lyke moche/ ⁊ make in powder/ ⁊ medle it wᵗ yͤ whyte of an egge/ and make a plaſter therof/ ⁊ lay it theron tyll it be hole. and yf it be ſore woũded do to hym as I haue lerne you before. ¶ Thus haue I lyfted vp the braynpan of .ii. chyldren/ ⁊ holpẽ them. The one was .iiii. yeres of age and was fallẽ from an howſe. And yͤ other was .vi. yeres of age/ whyche was hurte wᵗ a ſtone vpon his heed/ in ſomoche yͭ ther myght haue ben halfe an egge layde in the dynte of the brayne pan/ then dyde I ſheere of the heere/ and bycauſe I coulde not ſheere of the heere in yͤ holownes/ I layde ther vpon a plaſter of extractiũ .ii. ſtrawe brede thycke ſtryken vpon a lether/ and let it lye theron/ ⁊ in fewe dayes was the braynpan euen as it was before/ ⁊ that was not onely by the workynge of the plaſter/ but alſo by naturall heete and moyſtnes/ whyche heete and moyſtnes cauſeth the chyldes heede to growe greter/ whyche wyll not happen ſo haſtely in an olde parſone.

¶ Alſo yf one be ſmyten wᵗ a ſtaffe or clubbe/ ſworde/ or other wepẽ/ wherof yͤ ꝑſon is ſwownynge/ ⁊ yͭ he hath ſo greate payne yͭ he loſeth his wyt/ ⁊ that his heed is ſwollẽ/ ye ſhall helpe them thus. Fyrſt let hym blood out of yͤ heed vayne vpõ yͤ hande on yͤ ſame ſyde there as the mooſt payne is/ that yͤ euyll blode may be taken out/ or let hym be let blood wᵗ ventynge or boxynge about the necke behynde/ or behynde the elbowe. Thã make a plaſter for it/ of malow leues ⁊ of whete branne/ of eche lyke moche ſodẽ togyder wᵗ water/ ⁊ medled wᵗ a lytel olde grece of a gelded bore/ ⁊ make therof a plaſter/ ⁊ lay it warme vpon the heed thre tymes a daye/ ⁊ yf it helpe hym not haſtely/ it is in doubte yͭ the braynpan is brokẽ/ therfore take hede to the tokẽs in yͤ .xxvii. chaptre. of the fracture of the braynpan. Than cut the ſkyn open ⁊ loke yf the braynpan be brokẽ/ ⁊ yf it be brokẽ/ worke after yͤ .xxix. chaptre. Clenſe the wounde wᵗ vnguentũ fuſcum/ or wᵗ vnguentũ apoſtolicum ⁊ vnguentũ fuſcũ of eche lyke moche/ or wᵗ roſe hony/ oyle of roſes/ ⁊ the yolke of egges/ of eche lyke moche medled togyder/ ⁊ therof make a ſalue/ ⁊ then do fleſſhe growe in the woũde wᵗ vnguentũ aureũ ſcꝫ Meſue. ⁊ ſtryke the ſalue on the lynte ⁊ lay it ouer yͤ woũde a grene wouded plaſter/ lyke as in the anthidotario I ſhall ſet.

THere be .vi. capytall inſtrumentes ⁊ of eche other muſt be thre maner of ſortes/ grete/ ſmall/ ⁊ mydle ſyſe. Fyrſt there ben trappanes to make ſmall holes for lyftynge vp yͤ bones/ ⁊ ther is of [illegible] maners. ¶ Galien maketh ẏ Trappanes lyke a perſes ſhepp on the ende & broder vpwarde/ bycauſe ẏ inſtrumẽt in downe preſſynge/ fall not vpõ dura mater. as here ſheweth in pycture.

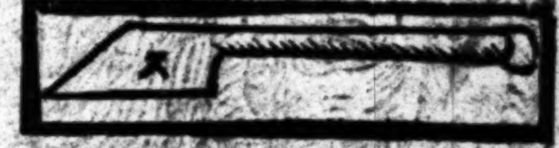


¶ Alſo the mayſters of Parys maketh theyr Trappanes in the maner here folowynge in fygure.

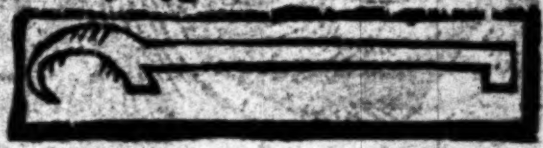


¶ They of Bonony maketh after another maner theyr inſtrumẽt lyke a ſpere.

¶ Ther is. ii maners of ſeparatoryes or departynge inſtrumentes for to departe one hole from the other. the fyrſt is Gallicana lyke as here ſtandeth in fygure



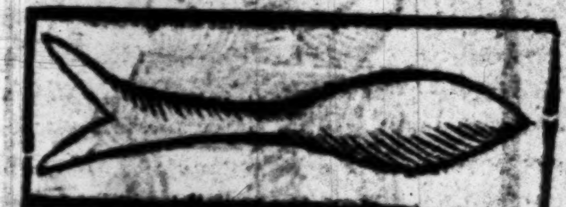
¶ The other maketh the of Bonony as her ſtandeth in fygure.



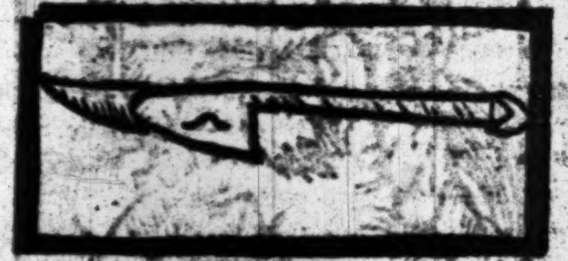
¶ Of that ende may be made an eleuatorii/ or a lyftynge inſtrument.

¶ The thyrde be the eleuatoria for the departynge bone to lyfte vp/ as here ſheweth

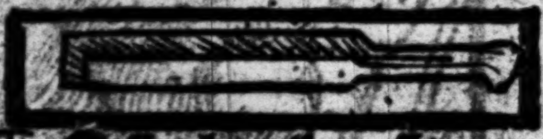
¶ Ther is an inſtrument called lnguin & maketh the cuttynge wyder. lyke here.



¶ Ther be lenticulares/ & is an inſtrumẽt mooſt praysed of Galieno/ & maketh euen the ſharpnes of the bones whyche be departed/ & is made lyke a penne knyffe with on lenticle/ as here is fygured.

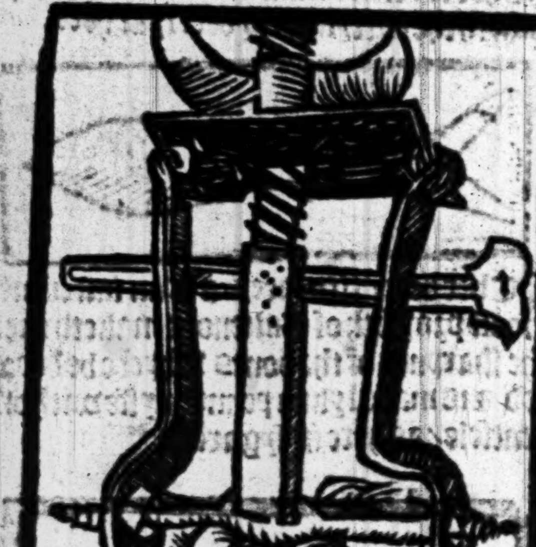


¶ The. vi. is the hamer to ſtryke the lenticulare/ which muſt be made of lede/ for to be heuy & ſmall/ accordynge to this fygure



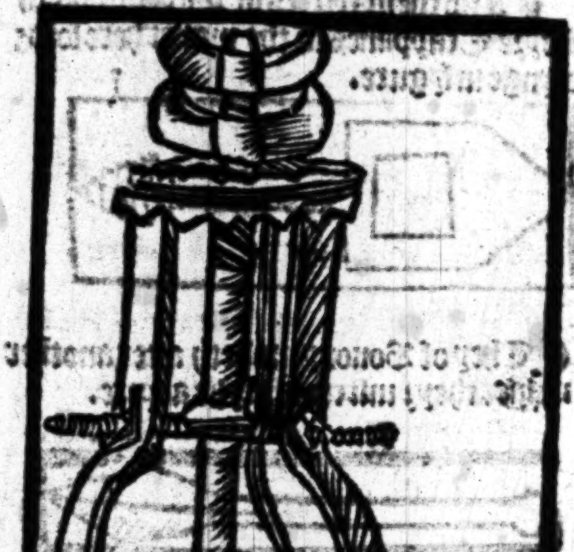
¶ Of the woũdes in the face. ca. xxxvij.

¶ With this inſtrument ye ſhall lyfte vp agayne the broken brayne pan/ all after as the one parte of the brayne pan is beten vpward/ and the other parte downward And yͤ preſſe or vyſe wherwith the brayne panne ſhall be boren muſt be very ſharpe.



¶ The forſayd inſtrument is good to worke on the ſyde of the heed/ or behynde on the backe of the heed.

¶ This inſtrumente is for to worke vpon the heed/ when the brayne pan is beten in/ for to lyfte it vp agayne.



The woundes of the face ſhall be ſet to gydder without ſowynge/ after this maner. Ye ſhal take maſticke/ and dragons blood/ and make it in powd̄/ and medle them with the whyte of an egge tyll it be as thycke as hony/ and therin depe .ii. clothes the lengthe of euery ſyde of ẏ wounde/ and lay on euery ſyde of the wounde a clowte and let it drye/ thẽ ſowe the clothes to gyder/ and laye vpon the ſeme this after folowynge powder.

A powder.

Take dragons blood/ ẏ lyme of egge ſhelles/ and whyte frankẽſence/ & lay ouer it ſowe depte in the whyte of an egge medled with the ſame powder/ thanne hele it lyke another woũde with plaſters/ ſalue/ powder/ oꝛ with bawme. If it be in a fleſſhely place and is not poſſyble to be holpen after this maner afoꝛeſayd/ than ye muſt ſowe it with a rounde nedell and a ſmall threde/ & yf the wounde be dry/ it muſt be ſowed wͭ a ſquare nedell. And yf the wounde be ſhot with an arow/ and ẏ arow heed/ oꝛ pellet of a gonne be in the body/ do as the foreſayd chapitre ſheweth of the drawynge out of ẏ pellettes. If it may not be/ ſo put in ẏ woũde oyle of roſes/ and lay on the wounde the yolke of egges medled with oyle of roſes/ and vſe it tyll the nature prepare the waye of his comynge out. And it hath ben often ſene that a perſon hath borne preuely a pellet in his body a longe ſeaſon/ and yet by ẏ [illegible] of nature hath comen out by hym ſelf. And ouer all take hede that the wounde in face be not frounced.

¶ Of the woũdes in the eyes, Ca. xxxviij.

The woundes that happeneth in the eyes oꝛ therabout is grete peryll/ by cauſe of ſwellynge in the ſyght/ and alſo it is nyghe the brayne/ and alſo I haue often tymes ſene of ſo ſmall a wounde comynge hath ſtopped the ſyght/ but not all onely the wounde of the eyen/ but alſo the wounde about the eyen often tymes it cauſeth the ſyght to fayle/ & yf ony moyſtnes be touched than foloweth after the dyſtructyon of the eyen/ yet haue I knowen the contrary/ For I haue ſene a chylde that on an euenynge by myſfoꝛtune of his fader was ſtryken wͭ a ſherpe aglet of a poynte in his eye/ whiche aglet ſtacke in the eye ſtyll/ and afterwarde was taken out/ and within .iiii. dayes after the whyte of ẏ apple of the eye cõne out/ a ſpone full/ than was I ſet to the chylde/ and I put alwayes in the eyen this water hereafter folowynge/ Fenyll water/ Roſe water/ Holey water/ Eufraſie water/ Rewe water/ of eche halfe an ounce/ and of ẏ whyte of egges .v. dragmas/ and medled them togyder/ and dreſſed the chylde ther withall and recouered the ſyght agayne/ In lyke wyſe a chylde of .viii. yeres of age was hurte with a ſhafte in ẏ ſterre of his eye/ that therin was ſene a grete webbe/ thurghe ẏ whiche ſtroke he was blynde/ and I dyde helpe the chylde with the ſame water that he had his ſyghte. ❡ In lyke wyſe ſpeketh Galyenus of a chylde that he ſawe hurte with a ſharpe yron in his eye in ſo moche ỹ watery moyſtnes came out of the apple of ỹ eye ⁊ it was heled alſo / whiche cure is ſeldome ſene. ❡ Jeſu hath a nother maner of cure / to cauſe the matter to come to the eye and yf there come no blood out of the eyen / then put Tuthiam ⁊ a lytell Camfere vnto the foreſayd water. And yf there haue ony blood gone out / then may it be cured with Sedengi whiche hath the vertue ſo to do / ⁊ lay vpon the eye where it is ſwollen the whyte of an egge / but lette it not lye longe theron / for it wyll take awaye the ſyght. For I haue ſene a man of .xxx. yeres of age ſmyten with a ſtone vpon the ſyde of ỹ noſe throughe whiche ſtroke the eye was gretly ſwolne / ⁊ there was ſet a ſymple barbour to take that cure in hande / and ſo longe he lete a plaſter lye theron that ỹ man loſt his ſyght and was blynde euer after. Beuenitus prayſeth ſore in this behalfe the whyte of egges grounde in a morter as in maner of a ſalue / and in this ſubſtaunce ſo made is grete vertue gyuen by the myght of god.

❡ Alſo yf ony perſone be wounded throughe the vpper lyd or nether lyd of the eye that it hange downe / then ſhall ye with ſubtylte ſowe vp the ſore with a croked nedell and a ſylke threde waxed that the eye may ſwell the leſſe / lay a plaſter made with the whyte of an egge ⁊ medle ther with a lytell dragon blood with frankenſence and loke that the plaſter touche not the eye / and ye ſhall make it as hole as the other eye / or alſo with balſome and that it come not in the eye. and drop in the eye alwaye the foreſayd water for the defendynge of that. ❡ Alſo yf there come ony thynge in the eye ỹ greueth hym / as ſmall ſtones or chaffe / or ſuche thynges / to dryue away the payne ye ſhall droppe in ỹ eye womans mylke or fayre clere water for that clenſeth out that ỹ is therin / and if that helpe not / tourne ỹ eye lydde and take a ſylke cloth and therwith clenſe it out / or with a ſmall rolle made of cotton / and yf it holde faſte in the eye / drawe it out with a ſmall rolle of woll ⁊ drop therin womans mylke of a wenches ſuckynge / if ye can not tourne the eye lydde then take ỹ lytell whyte ſtone of a ſwalowe and put it in the eye ⁊ it wyll renne aboute the eye / and clenſe it / and yf it be the fylynge of yron take vp the lyd of the eye and holde before it a ſtone called Magnete and that wyll drawe it out. ❡ Alſo yf there be ony perſone hurte with an arowe or with ony other wepen in ỹ eye wherin is grete perill. Neuertheles good for the all maner of wayes with the ſalue of oyle of roſes ſo longe as none inflammacyon nor ſwellynge cometh therto / after that marke howe depe the arowe hede is in. Then worke after the chapytre of the drawynge out of the arowe. And when ỹ arowe is out / fyll the wounde with oyle of roſes medled with the yolke of egges ſomwhat warme / and clenſe the wounde with roſe hony / barly mele / and mele of Fenugreke / and then make fleſſhe in the wounde and hele it with a grene wounde plaſter / or with a moyſt plaſter. There ſtandeth in Antithodorum / that yf the arowe hede abyde therin / ye muſt worke after the chapytre of the hede / and yf the wounde haue nede to be made wyde / worke after the chapytre of narowe woundes and make it with a pece of a ſponge / ⁊ yf the wounde be grete ⁊ longe / worke after the chapytre of drawynge out of arowe hedes / or let it abyde within tyll ỹ tyme it come out by the owne nature.

¶ For wylhelm⁹ ſayth yͤ he hath ſene a pſon bere in his face an arowhed an hole yere lõge/ which came out by his owne nature/ ⁊ than the woũde was cured in ſuche maner as is aforeſayd of yͤ wounde in yͤ face/ Alſo yf there ony parſon be hurte in yͤ eye with a nedel/ or wͭ a thorne/ worke as I haue ſayde before of yͤ defẽſiuũ to noynte about the eyen/ ⁊ hele it wͭ this colerion folowynge. Take Boli armeni .ii. oũces/ Thutia/ ſanguis Draconis/ Gũmi arabici/ of eche an oũce/ and make all in powder/ and medle it with .xxiiij. oũces of roſe water/ and put it all in a glas/ and hange it in warme water an houre longe/ then do therto .iiij. oũces of garnatappell wyne/ and let it ſtande a day longe/ and than clere it out/ therof put at euery tyme a lytell in the eye at yͤ euenynge and mornynge/ and lay ther upõ this plaſter/ take ſucci/ ſemperuiue/ ſucci ſolatri of eche .iiij. oũces boli armeni/ draganti myrre/ gommi Arabici of eche .iij. dragmas and make therof a powder/ and yf ye can not gete yͤ ſap of howſe leke/ take therfore roſe water ⁊ take for nyghſhew yͤ wyne of the garnate apple/ this water heleth all yͤ woũdes of the eyen plaſter wyſe layde ouer it with clothes/ and it defendeth the eyen from ſuperflue moyſtes and euyll accedent or inpoſtume. ¶ When the blood cometh in the eyen from yͤ woũde after this ſayinge take therto the mylke of a yonge woman and the whyte of an egge ⁊ the blood of a dowue taken out of the wynges/ ⁊ medle all this togyder and drop it in to yͤ eye and lay therupon a plaſter made of breed cromes wette in wyne/ but let it not lye longe that is very good/ And yf yt go not a way/ thã drop in yͤ eye water of Amios/ ſalgẽme/ ⁊ ſomtyme/ yͤ eye wͭ dreſſynge of ordei/ ⁊ drye yſope/ yf it dryue it not away/ take fayre water wherin hath ſtande reed arſenicum/ Or take the waters of yͤ herbes afore ſayd .ii. ounces/ Thutie preparati halfe a dragma/ Coralli rubei/ margaritarũ non parforatarũ/ of eche yͤ thyrde part of a dragma. Camfere the wayght of .x. barly cornes/ draganti gõme arabici/ of eche yͤ wayght of .viij. barly cornes Ceruſe lote/ amidi of eche the wayght of .v. barley cornes/ womans mylke/ yͤ whyte of an egge/ of eche a dragma/ ⁊ medle thẽ togyder ⁊ occupy it at euẽ/ ⁊ at mornynge tyll yͤ parſone be hole.

¶ For the woũde of the eeres Ca xxxviij v.

IF any is woũded by yͤ eere or in yͤ eere wherin is feare yͤ the brayne be hurte or yͤ vaynes of yͤ herynge it is in grete peryl ⁊ dedly for if yͤ brayne be periſſhed it is deedly/ And yf yͤ ſynewes be peryſſhed yͤ longeth to the herynge ſo ſhall he be deffe. Therfor muſt he erneſtly take heed of it/ ⁊ yͤ he gyue knowlegyng to his frẽdes. ¶ And yf yͤ woũde be grete ⁊ ſore/ ſowe it ⁊ lay therupon yͤ powder of yͤ lyme of egge ſhelles frankencens dragons blood and lay aboute yͤ woũde a defenſiuũ ⁊ ther upon towe depte in the whyte of an egge medled wͭ a lytel dragõs blood ⁊ frankencenſe/ ⁊ in yͤ ſecõde or thyrde day lay in yͤ woũde oyle of roſes medled wͭ the yolke of an egge/ for ſlakynge of the payne/ yͤ other day after/ ye ſhall clenſe the woũde wͭ roſe hony barly mele. termentyne/ ſomtyme medled with myrra/ and ſarcocolle/ after the wounde is nedefull to be clenſed/ or hele it with a grene wounded plaſter/ or with bawme/ and rule hym wͭ blood lettynge/ ⁊ to chambre goynge for yͤ leſſe commynge of ſwellyng or ipoſtumaciõ.

If the wounde with ſhotte take hede of the arow howe depe it is gone in/ for yͤ pacyent may come lyghtly to chaũgyng in brakinge and ſhakynge with a crampe/ and it is a token of deth/ and with that token is his eyen reed/ therfore it is peryllous to take ſuche a wounde in hand. ¶ If you wyll do it through grete deſyre or other cauſys/ thã tell his frendes all the tokens and condycyons/ that ye wyll not take hym in hande but for a deed man/ than make the wounde wyde/ as I haue ſhewyd you afore/ and defende the place with defenſiuum/ than pull out the arow heed with your tonggys/ as is aforeſayd in the .xvi. chaptre/ than clẽſe the woũde lyke as is aforeſayd/ and make fleſſhe to growe/ and hele it lyke another wounde/ ⁊ rule hym lyke as is aforeſayd/ ⁊ let hym drynke no wyne/ ther is nothynge that hurtyth the brayne and the vaynes of herynge ſo ſore as the wyne dothe/ therfore it is very good that the perſone that is woũdyd in the heed beware hym of wyne drynkynge.

¶ Of the wounde of the noſe.
Ca. xxxix.

The noſe is ſomtyme wounded with a ſworde or with a cuttynge wepen/ and the noſe is ſomtyme hoole cut of/ ⁊ ſomtyme abydeth hangynge on the fleſſhe of the lyppys/ ⁊ ſomtyme he is woũded the lengthe of yͤ noſe ¶ Item is the noſe hole cut of/ ſo may he not be ſet on agayne/ ⁊ yf it be not hole cut of/ thẽ take yͤ lyppes of the wounde and ſowe it/ and lay in yͤ woũde roũde tentes of tow/ or woll/ or of gooſe fedders/ that the matter may the better come out/ ⁊ on yͤ ſeme lay that powder which ſtondyth in the chaptre of the ſowynge of cõmon woundys/ therupon lay tow depte in the whyte of an egge medled with lytell of the forſayd powder/ ⁊ whan you wyll than bynde it and hele it lyke an other woũde wt the wounded plaſter/ or with bawme/ and take hede that he let bloode at yͤ vayne/ or let hym ſet ventoſes or boxes behynde the elbowe/ or behynde on the necke/ and for to do his eaſement/ for cauſe that no heet come to yͤ woũde/ yf the noſe be cut ouer thwart to the lyp of the mouth that yͤ noſe hãgyth/ or is cut through the hole of the noſe thrylles to the ouer lyppe of the mouth/ ſo ſet yͤ noſe thrylles the one an the other euen richt as it ſtode before/ and make in the noſe .ii. tentes of ware/ or of pypes of gooſe pennis that is beſt/ ther through be clenſyd yͤ heed and the wounde/ and that he may haue his breth/ and begynne to ſow at the vpperſt of the wounde on the myddell of the noſe/ and after ſow on the ſydes/ that the ſtytches ſtõde vneuen a thwart fynger the one from the other/ ⁊ vpon yͤ ſeme ſhall ye lay a powder.

¶ A powder.

¶ Take franckenſence ⁊ the lyme of egges ſhellys and dragons blood/ ⁊ theron layde tow depe in whyt of an egge mydled with a lytell oyle of roſes/ ther vpõ laye .iii. plumacyoles or lytell ſmall kuſſhyns made of lynẽ clothe/ that one beneth/ ⁊ on euery ſyde one/ then aft bynde it ſo as I ſhall ſaye/ therafter cure it with a plaſter/ or with the bawme as I haue lerned/ and defende the wounde from heet and of euyll accydentes with this ſalue

¶ A defenſyfe.

¶ Take ſap of nyght ſhaw or ſolatrum/ or [illegible] vi. ounces / and oyle of roſes. iiii. ounces / boly armeny. ii. ounces / fenugreke one ounce / this medle togyder ⁊ lay vpon the wounde / or medle the whyte of an egge ⁊ that powder of dragons blood / or take the yolke of an egge ⁊ medled with this powder of draggantũ / gummy arabici / boly armeny / of eche a dragma / or take this after folowynge powder.

A powder.

Take farina ordei. vi. ounces / mumye / draganthum / gũmi arabici / of eche an ounce ⁊ lay it thervpon. yf it need that the wounde muſt be clenſed / then clenſe it wᵗ roſe hony medled with barly meele / and cauſe the fleſſhe to growe / yf it be need with the powder of ſtancheſence ⁊c. and after hele the wounde wᵗ that powder aneys / cypreſſi / and waſſhe it with warme wyne / If the ſkyne be cut from the bone / and for to make the ſkyne ſoppe / than hele it with this ſalue.

A ſalue.

Take ſtancheſence / myrra / of eche an ounce / farina fenugreci. ii. ounces / roſyll vi. ounces. waxe. iii. ounces oyle of olyues xiiii ounces / and therof make a ſalue / or els wᵗ this powder.

A powder.

Take maſticis ſtancheſence / myrra / draganthum / gummy arabici / of eche halfe an ounce. farina fenugreci. ii. ounces. ⁊ make therof a powder / or take litargirũ medled with oyle of roſes. this ſalue doth hele the wounde. and lay it not ther vpon tyll the wounde be clene ⁊ full of fleſſhe / than lay it theron.

Of the byndynge of ẏ noſe the mayſters accorde not / therfor do euery one of you as ye thynke beſt. And ye ſhall ẏ pacient ſet a lytell cappe or coyfe on ẏ heed / there as ye ſhall the bynde ſowe on / for kepynge togyder the bondynge of the noſe / and for holdynge of the ſlakeneſſe or dryues wᵗ the wounde. If the noſe hath loſt colour and is chaunged / and cometh therof colde ye ſhall make it warme with the hotnes of the chekyns / ⁊ let the noſe lye vp. And yf it may not be / take it of / and hele the place as I haue ſayd before. The fyrſt byndynge let ſtonde. iii. or. iiii. dayes / therafter it ſhall be bounde. ii. tymes on a daye. If it be wounded or dreſſed with bawme / than bynde hym the fyrſte. iii. dayes euery daye ones / ⁊ after. ii. tymes in a daye. And the bone of the noſe ſhall haue his ſtrength agayne within xiiii. dayes. And yf ẏ baygebone be thrugh cut than put your fynger or clothe in the noſe for cauſe ẏ noſe may therwith be reyſed vp / and with the other hande ſhall ẏ noſe without be made euen / and then ye ſhal put therin tentes ẏ longyth therto. And alſo therevpon lay lytell kuſſhens of towe deped in whyte of an egge / and then bynde them / ⁊ hele it lyke as is aforeſayd. Or with Dyaquylum plaſter / and with ẏ reed powder which is wryten in the chapt. of ẏ ſtoppynge of the blood / ⁊ that is made thus.

A powder.

Take Colofonie / ſanguis Draconis / lapis Ematicis / Conſolida maior / and medle it with oyle of roſes / and therwith dreſſe and bynde it well. And yf there be one cõtuſyon then cure it as another. Item If the krake bone be broken then cure it and make it ſafe.

If ony body haue in ẏ noſe a cheryſtone / or ſtrawberryſe / or a bene / or a peſe / or any other thynge / ye ſhall not ſeke yt there with the fynger or other wyſe / for it wyll ẏ more go inward. wyll you hym helpe of the ſame / holde neeſynge powder for his noſe ẏ he may neeſe / then it wyll come out anone.

[illegible]

[illegible]

[illegible]

¶ Of the wounde of the mouthe Ca. xl.

THe mouth is somtyme hewen that the cheke hangeth of / & somtyme be ẏ tethes hewen awaye / and it is somtyme wᵗ a swerd / and somtyme with another open cuttynge. and somtyme it is stycked wᵗ a dagger / or wᵗ a spere / or shoten with an arowe. In suche maner as it happeneth ẏ the mouth is woũded / ye shall sowe properly the wounde. & the fyrst styche of the sowynge set on the nexte place of the mouth / and sowe it backward goynge vpwarde and comynge downward / or at the syde after the wounde is. & lay on the seme this powder folowynge. Take lyme of egge shelles / dragōs blood and frankensence / as it standeth in ẏ chaptre of the sowynge. Ther vpō lay twyne a cloth deped in the whyte of egges medled with a lytell powder therin / and thā bynde it / and at the .iii. day vnbynde it agayne and thereon lay a grene wounde plaster. and lay about the wounde a good defensyuum. And gyue hym to drynke a wounde drynke / as it standeth in Antidotario. & gyue hym softe metys that hym nede not to chowe / let hym not speke moche. And yf he be hewen in the cheke ẏ ẏ Jawe bone therof ẏ tethes stonde in / ẏ the one hangeth from the other / than lyfte that Jawe bone agayne / & set the tethes by one & hardyll ẏ togeder wᵗ a wyre of syluer / & sowe ẏ wounde / And rule hym in all maner as is aforesayd ¶ Also make a chyñe of woode / and there ouer sowe a cloth / and vpō the cloth pache it with .iii. or .iiii. lytell clothes [illegible] it is drye / cut it rounde aboute of from the forme / & than haue ye an hole forme / therin do the chynne of the pacyent / & sowe in euery ende a bande of .iii. fyngers brode / and bynde it togyder on the heed / & wynde it aboute the heed / and sowe the endes togyder / and if any be hewyd that the cheke hange from the mouth / that shall you sowe strongly.

¶ Of the wounde of the necke ca. xli.

AS the synewes and be des in the necke is wounded / & the wounde is so deep touchynge the mary / it is deedly. The synewes of nucha ẏ is the mary of ẏ backbone / it is in lyke the synewes of the brayne. And come the wounde not to ẏ mary / all is it cureable / for all that it is in grete peryll / for the woundynge of the synewes whiche hath begynnynge taketh on the syde of nucha. Therfore is sayd / as the wounde is deep to ẏ reuersyue synewes so shall he alwayes be sure of spekynge. Come the wounde to ẏ synewes by the vene / than the pacyent shall ~~[illegible]~~ [illegible] And the wounde in the grete vaynes is very euyll / for cause ẏ grete rynnynge out of the blood hastely departeth the spyryte of lyf. ¶ The wounde of the artery there as the mete gothe through / and the throte there as the wynde gothe through it is very peryllous / for they haue ẏ fermynge of lyf / therfore it is euyll to hele. ¶ If to you come a wounde in the necke ẏ is alonely through ẏ flesshe / ẏ shall you hele lyke as

A powder ffor a sore [illegible]

Take [illegible] and [illegible] and make a [illegible] [illegible] [illegible] and [illegible] it [illegible] [illegible] and [illegible] ſhewyd in the .[illegible]. chapitre of the ſmall woũdes. But yf ẏ wounde be grete and through the fleſſhe ſo ſhall you ſowe it/ and vpon ẏ ſeme lay this powder folowynge.

¶ A powder.

Take Frankenſence/ Dragõs blood/ lyme of egges ſhelles/ ⁊ lay it on ⁊ wete in whyte of an egge wᵗ the aboue ſayd powder. And than bynde it/ ⁊ therafter hele the wounde as a grene wounde wᵗ plaſter or Jewes plaſter/ or with bawme/ and defende ẏ place that there come no impoſtume nor ſwellynge/ and this is for the woũdes whiche come in the length. If the woũde be thwarde and the ſynewes and boundes is wounded ſo let the ſynewes to gyder/ and ſowe it depe in the cuttynge of the woũde/ and therupõ lay the powder aforeſayd of the egges ſhelles/ and than therupõ lay the grounde wormes ſtāped and medled as it is afore ſayde in the .xviii. chaptre. If the greate vaynes be woũded it is in doubte yf the blood may be ſtoppe or nat/ yf the wounde ſhall be heled or nat/ ⁊ yf that pſone ſhall dye or nat but ſtoppe the blood wᵗ ſowynge of the vayne ſo it may beſt be done/ ⁊ than make thervpon a plaſter of this epythimia/ that Galienus ſet in quinto Therapentis. and take Frankenſence one parte/ Aloes halfe a parte and make it to gyder in powder/ ⁊ medle it with the whyte of an egge in ẏ thyckenes of hony/ therin depe whyte heere of hares/ ⁊ lay it vpon the wounde of the vayne. or take this after folowynge reed powder.

¶ A powder.

This powder is made after the lernyng of Rogerius of Colonne. iii. oũces/ Conſolida maior/ lapis Ematicis/ Maſticis/ ſaguis Draconis/ Olybani/ of eche halfe an vnce. All this make in ſmall powder/ and occupye it as is aforeſayd. And yf it wᵗ that wyll not be ſtopped/ the ſeall ẏ vayne out adreſſe it as I haue ſayd in the .xv. chaptre/ of the ſtoppynge of the blood. ¶ If ẏ woũde is behynde through the bone that ẏ back mary be woũded/ it is very yll. therfore take not to cure ſuche a wounde. ¶ If ye be deſyred to ſuche a workynge/ ſhewe tell the frendes that it is a deedly woũde/ Neuertheleſſe do your beſte. And in the begynnynge put therin warme oyle of roſes/ ⁊ laye thervpon oyle of roſes medlyd wᵗ the yolke of an egge/ to let leſſe the payne/ and as it begynne to matter/ ſo ſhall it be clenſyd ⁊ make fleſſhe with this plaſter/ as Wylhelmus ⁊ Lancfrancus wryteth and Guido ſayth ẏ ſame

¶ A plaſter.

¶ Take roſe hony vi. oũces/ barly meell one oũce/ torpentyne ware/ roſyll of eche ii. oũces frankenſence/ maſtyk/ [redacted] myrra/ ſercocolle/ mumye/ of eche halfe a dragma. oliũ maſticis. iii. dragma/ of this make a ſalue/ ⁊ ſtryke it on a clothe/ and lay it on ẏ nucha or backe mary/ ⁊ it ſhal be better. [illegible] ẏ mayſter or ſurgyã thynke it impoſſyble/ but it is not ĩpoſſible to ẏ nature as ſhe may be holpen wᵗ the ſtrengthe of ẏ good medyſyne ⁊ clenſynge. If the woũde be longe/ ⁊ the bone woũded/ and ony peces be cut of/ ſo nede you it to take out/ yf it be poſſyble/ than ſow ẏ woũde lyke as I haue ſhewyd afore/ and clenſe it ⁊ heele it lyke an other woũde/ ⁊ yf the botton of the back bone is cut through/ or ẏ back bone by the necke/ ſo as he hathe loſt his meuynge/ ſo it is in peryll to helpe hym. If it be not loſt/ helpe hym with the ſtrengthe and clenſynge of the roſe hony/ torpentyne/ fenigreke meel/ and therof make a plaſter/ and lay it on the woũde/ and about the woũde ſhall ye ſtryke defenſiuũ/ ⁊ hele it lyke an other woũde/ If the wounde be through the throte goll/

it is greet peryll/ bycauſe ỹ vaynes is in it/ the which vaynes commyth to the loungis/ and to the herte. As they be wou̅dyd that is in greet peryll and dedly/ & herof wryteth wilhelmus de ſaliceto/ that he ſawe a greet lorde was ſhotten in one of ỹ aforſayd vaynes by the throwte goll/ ther went out one drop of bloode/ in co̅tynent the lorde dyed/ and the place of the wounde was blacke/ & he rattylde ſo ſore tyll he dyed/ therby vnderſtoode wilhelm̄ that the bloode ran to ỹ lou̅ges/ & to ỹ hert ſtoppynge his brethe/ & wilhelm̄ mynde was to leet hym bloode on bothe his armys/ but the tyme was to ſhort for hym/ therfore it is good in ſuche a wou̅de the pacyent to be let bloode/ Alſo he ſawe a knyght that was hurte in ỹ necke with a longe knyffe that the throwte goll was wou̅dyd/ & he fyll downe & lay ſtyll/ and wilhelmus thoughte he had be dede/ bycauſe he felyd no wynde come from him/ and he halpe hym that he came to lyfe/ Alſo he ſawe a preſoner in the towne of Tremu̅de/ which of diſpacyon cut his one throwte/ that his meet came out agayne through the wounde and his brethe/ than bounde he agayne the partes of the wounde well faſt togyder/ and layd ther vpon this powder.

¶ Take dragantum/ ſanguis draconis/ gumy arabici/ of eche lyke moche in powder/ with this defenſyfe powder/ and plumaceoles or ſmall kuſſhyns of clouthes or of towe/ and with the byndynge therto at lenkth he was helyd in a moneth. ¶ If the wou̅de in this pty aforſayd/ w a ſhote of an arowe or ſtytche with a dagger/ and the arowe in the wounde/ then take it out ſoftly as is aforſayd in the xvi. chaptre. If the arowe be taken out/ & bleded ſore/ then ſtope it as I haue ſayd in the xiiii. chaptre.

¶ And bledit but lytell/ or is there no payne/ the̅ bynde it with a lytell tente holdynge ỹ wounde vpo̅/ ỹ ye may ſe if ther come payne or not. If there be no payne tha̅ may ye hele ỹ wounde. But is there payne or ſwellynge/ the̅ it is nedefull to fylle the hole wou̅de w warme oyle of roſes/ and put therin a lytell tente deped before in warme oyle of roſes medled w the yolke of egges/ and kepe therwith the wou̅de open vnto the tyme ỹ matter come out. The̅ cloſe it lyke another wounde/ and hele it with a grene wou̅de plaſter/ or with bawme. Som tyme the wounde is ſhoten through the necke & touched the throwte goll callyd yſophagus/ and trachea/ but the ſynewes and vaynes be not towched/ then nede none other cure than the cure of another wounde.

¶ Of the wounde i̅ the ſchulders or bytwene the ſchulder Ca. xlii.

IN this places to be wou̅ded it is very pyllous/ for the ſynewes which come frome the brayne/ therfore it is dedly after the wou̅de is depe or not depe. Marke alſo yf the wounde is in the length or ouerthwart. And is the wounde wyde then ſowe it/ and let in the nedermoſt ende a hool open wher through the matter may auoyde out/ ỹ the wou̅de may be cloſe/ and lay vpon the ſeme this powder folowynge.

¶ A powder.

Take dragons blood/ gu̅me of arabie/ and dragantum and make it in powder. If the wou̅de be not depe the̅ hele it with ỹ grene woūded plaſter/ or with bawme lyke another wounde. If the wounde be deep ⁊ you be ferd for the payne of the ſynewes/ thēne lay fyrſt in the woūde oyle of roſes medled with yolke of egges. Therafter lay on euery daye a clenſynge plaſter. as I haue wryten in the aforeſayde laſte chaptre/ and is made of roſe hony/ barly meel/ ⁊ ſomtyme with turpētyne/ myrra/ ſarcocole. ⁊ about the woūde ſtryke a defenſyfe/ made of bolo armeno/ oyle of roſes and wᵗ a lytell venegre. And as the wounde is well clenſyd/ then do fleſſhe growe. and therafter hele yt lyke another wounde. If ẏ wounde be ſhot and that the pelleth or arowe hede is in it/ then make the wounde greter/ ⁊ take out ẏ pelleth or arowe hede as I haue ſayde in ẏ xvi. chaptre. whā ẏ arow hede or pelleth is pulled out/ then put in the wounde oyle of roſes medled with the yolke of egges/ and all tymes ſtryke the wounde about with ẏ defenſyfe as is aforeſayd/ and the next day clenſe the wounde. If in the wounde growed corrupte fleſſhe/ then clenſe it with vnguentū apoſtolicū ſcđꝫ Auicennā. And it is well clēſed/ then hele it. And all tyme holde the rule wᵗ lettynge of blood/ ⁊ to the chambre goynge/ and with mete and drinke/ and with myxed wyne/ after the dyſpoſycyon and after the cōplexcyon of the woūded parſone.

❡ Of the wounde of the ſholdꝰs and vppermoſt part of the arme aboue the elbow. ca. xliij

THis woūde is in ſondry maners. ſomtyme is the ſhulder wounded a boue ouerthwarde ſomtyme in the lengthe. ſomtyme the arme aboue ẏ elbowe is wounded ouerthwart ſomtyme in ẏ lengthe. ſomtyme is ẏ woūde ſmall and through the ſkyne/ and ſom is a grete wounde through the ſkyne and fleſſhe. ſomtyme ẏ ſynewes is woūded/ ſomtyme ẏ vaynes/ ſomtyme arteries/ ſomtyme the muſcles/ ſomtyme the bones/ or the hole pype therwith. And this happenyth/ ſomtyme with a ſworde/ ſomtyme with a dagger/ ⁊ ſomtyme with ſhot. Al this woūdes muſt you know to bynde in ſondry maners by cauſe it is a membre that is moche occupyed/ and nedefull to the body/ and to al occupacyons of craftes. Therfore remembre well howe you ſhall bynde ſuche a wounde lyke as it nedyth. ❡ If ony be wounded ouerthwart in ẏ arme/ thā it is fere that ẏ longe muſcles or lacertes is wounded and the ſynewes that cometh from the herte in the arme/ and it is to feare that the hande of the ſame arme ſhal haue no more powre and that membre ſhall loſe his meuynge/ yf the arme be hole or not. The loſynge of his meuynge cometh ſomtyme by the woūdynge of arteries ⁊ vaynes ther as ẏ blood may not be ſtoppyd to the wyll of the ſurgean. If ony be wounded with an inſtrumēt that ſticked and falleth vpon the ſynewes or boūdes by the muſkly fleſſhe ther is to fere for comynge of the crampe/ and therafter the deth. As the payne cometh in the woūded place/ than goth it forth through the hole place vpward in the brane/ and ſo bryngeth the ſynewes and boūdes to putrefaccyon wᵗ ẏ euyll matter. And ther falleth often tymes grete payne in the woūdes. iij.

fynger brode benethe the ſhulder / ⁊.iij. fynger brode aboue ⁊ benethe the elbowe ther as the longe muſcles is / and ther the ſynewes be bare / of yͤ whiche aforeſayde payne cometh yͤ crampe / and through the crampe cometh the dethe. ¶ As the wounde is of length in the uppermoſt arme that ſtõdeth on the ſhulder / ſuche a wounde is not perylous. ¶ If ony be hewen through the ſhulder to the dyſmẽbrynge of the arme and yͤ arme hangeth / it is nedefull to be well ſowed / bycauſe the arme is grete and heuy / ⁊ than lay therupon towe deped in yͤ whyte of egges / therin mydled with a lytel of the powder made of gumme of arabie / dragantum / dragons blood / than bynde and hele it lyke another wõude / and bynde an harde kuſſhyn under the arme. Or make hym a croutche therwͭ to lyfte up yͤ arme ſo hye as it is poſſyble. ¶ Is the wõude ouerthwart that the ſynewes and other vaynes is wõuded / than ſhall it be ſowed / and the payne be taken awaye / as I haue ſayd in yͤ .xiiii. chaptre. If yͤ ſayde vaynes be ſore blodynge / than worke with the ſtoppynge of the blode / and with ſowynge of the ſynewes as I haue lerned in the .xv. chaptre. And yͤ pacyent ſhall be defendyd from the payne yͭ the pacyent maye reſte the better / and al tyme ſtryke about the wõude with the defenſyuum of bolo armeno / olium roſarũ / and venegre / and laye on the ſeme that powder of frankẽſence / dragõs blood / lyme of egge ſhelles / and whyte of an egge / ⁊ with plumacyoles / lyke as it is aforeſayd of yͤ other woundes. And hath the wounde but lytell bloded / ſo let hym blood on the vaynes / or with ventoſes or boxes / after the pacyent is ſtronge / and defende the wounde with yͤ defenſyuũ / and holde hym to the draugthgoynge / that to yͤ wõude come not impoſtumacyõ nor ſwellynge / as I haue lerned before. ¶ If the ſynewes or muſcles be hewen through / then ſowe it with a waxe threde ⁊ oyle of roſes / that therto come no payne / ⁊ after bynde and cleñſe it with mũdificatyffe that belonthe to the ſynewes.

¶ A mũdificatyffe.

Take myrra / ſarcocolle / turpentyn / hony of roſes / but this mundifycatyffe ſhall not be layd in the wounde unto the tyme yͭ you be ſure that no impoſtumacion come therto. Therfore take the rule of bloodletynge / ⁊ wͭ all thynges as is aforeſayde. ¶ In this place for ſhyttynge ⁊ ſowynge of the ſynewes wyll not ſlake lyghtly yͤ payne / wherby the uppermoſt mẽbre is the febler / whiche the ſynewes was uſyd to ſerue hym / than it is nedefull the ſtytchynge or poynture to holde open / and fyll the hole wõude wͭ oyle of roſes / and yolke of egges / of yͤ ſame laye on the wounde. If in this place to the wõude come a hote impoſtume / then do as I haue lerned in the chaptre of the rulyng. And yf there come blodynge with the todoynge of the oyle and the yolke of the egges for takĩge away the payne / lyke wyſe if ye wyll ſtaunche the blood with drynes wherof cometh yͤ payne / and yf you lay therin yͤ oyle and the yolke of egges that cauſe the bloodynge. For all that ye muſt ſtaũche yͤ blood and take the payne away / therfore it were good that the ende of the vayne wͭ hote yrõ be ſered / as I haue lerne you in yͤ .xv. chaptre. and the Iron ſhall not towche the lyppes of the wõude. And thã lay ſhortly theron the oyle of roſes and yͤ yolke of egges for to take awaye the payne. ¶ If ony parcione is wounded aboue the elbowe throughe the bone / the ſowe it / and kepe the ſowynge with this afterfolowynge powder.

¶ A powder.

Take lyme of egge ſhelles/ dragons blood whyte frankenſence all made in powder/ and towe deped in the whyte of an egge as another wounde. Than ſhall you ẏ arme ſplente to the wounde ſo leſſe as ye maye/ ⁊ that ſhe may haue eaſe that the wounde take no heet/ that there come non impoſtume nor ſwellynge. ¶ To the bones whych were broken or cutteth through/ I dede make a holowe pype of wood/ in the lengthe of a ſpanne and a halfe longe, and clouen in the length in twayne lynynge the one ſyde togyder with a clowte/ and ẏ other ſyde opē lyke a lanterne/ and therin I layd ẏ arme with byndynge about/ and in the pype I made an hole agaynſt the woūde/ that the arme or legge maye be in ſurte/ and I lefte the pype theron ſo longe tyll the tyme I toke of the bounde/ neuertheles I dreſſyd the woūde euery daye as ther to belōgth. And I dede more profyte with the pype than I dede with ẏ ſplyntes. Somtyme I left ẏ pype couered within with a ſkyne/ ⁊ therouer a lynnen clothe/ for to occupy the leſſer boūdes/ for the multytude of baundes cometh redy hootnes and impoſtumacyon/ ⁊ ther agayne I occupye all tyme that defenſyfe/ and on the contrarye ſyde I let blood and kepe hym with good rule/ as is afore ſayd. ¶ If the wounde be ſhot/ then pull it out lyke as I haue lerned you in ẏ chaptre of pullynge out of the arowe heed. ⁊ there after clenſe the wounde/ ⁊ defende it from payne as it nedyth. If an impoſtumacyon cometh to ſuche a wounde/ it is greate peopardy/ or deedly/ neuertheles helpe hym in this maner. his meet ſhall be pap of ſterche ſodden with barly water/ or ī lettuſe water/ or make hym a cawdel of almondes/ ⁊ gyue hī wyne of garnat apples/ or agreſt medlyd with water. If he may not do his eaſement then make hym a purgacyon. If he be ſyke and feble/ or hath longe lay a bedde then gyue hym yonge chyckens to eet dreſſyd with the afore ſayde erbes. Then clenſe the woūde/ and hele it with the grene wounded plaſter or Jewes plaſter.

¶ A plaſter for to make rype an impoſtumacyon.

Take the roote of longe malowes the rynde of the roote/ and make it clene/ and cut it in lytell peces ſodden ⁊ ſtāped to ẏ wayght of an ūce ⁊ half an oūce. fenugreke meell/ lynſede meell/ of eche. vi. ounces. dyll ſede/ camomyll floures/ of eche. ii. ounces. hogges grece ſo moche as it nedid/ and medle it togyder on the fere and make therof a ſalue/ and lay it warme vpon ẏ impoſtume/ If he may not ſuffer the plaſter/ than take oyle of roſes/ boly armeni/ venegre/ a lytel opium thebaicum/ ſemen Juſquiami/ this ſmall beten/ and laye therupon tyll the payne be gone. then make it rype/ and then clenſe it/ and do fleſſhe growe/ and hele it.

¶ Of the woūde ī the elbow. ca. xliiij.

In the woundes in the elbowe ⁊ about the elbowe is great Jeopardy/ for ẏ grete vaynes ⁊ ſynewes that be therin/ for the blode is yll to ſtaunce/ ⁊ not only the ſtoppynge of blode/ but alſo to defende ẏ wounde frome the payne/ or ſwellinge/ or impoſtume/ and a parte of the crampe/ for nyghe beynge of the muſcles/ which be ii.

twhart fyngers is aboue and bynethe the elbow / and alſo for the bones wᵗ the ſtryngys and the vaynys that is within ẏ elbowe / they brynge in moche moyſtnes that is in the place cloſyd / for that can not be ſo clēſyd perfectly as it nedyth / and through ſuche hootnes of ẏ matter / the felynge be loſt Therfor take hede to ſtop ẏ bloode of ſuche a wounde / and defende the arme vpward ꝛ downewarde / for to commynge of moyſtnes that makyth a poſtomacyon / and ſwellynge. ¶ If than the wou̅de be wyde ꝛ longe / it ſhall be ſowyd as I afore haue ſayd / and ther vpō that powder of lyme of egges ſhellys. If the vaynes be wou̅dyd ſo ſhall you bynde it lyke as in the .xiiii. chaptre is ſayd / and do it in lykewyſe yf ther were payne / and ouer the byndynge ſhal be layd a clothe .iiii. double depte in warme wyne / ꝛ therin is ſoden the erbe of mowſerre / reed moder wort / or arthemiſia rubia / and a lytell cōſolida maior / and in this a longe bou̅de depte / therwith bynde the arme and than lay ẏ arme on a borde / and that borde muſt be ſo longe as from the elbow to the hande / and as he wyl be walkynge ſo ſhall the arme hāge wᵗ the borde in a touwel berynge on the necke / and bynde the arme euery tyme on heyghe / that the arme may be the quicker / and the pacyent may not moche goo nor ſtōde / bycauſe through ſuche hangynge of the arme ſhulde come moche bloode therof the arme ſhulde ſwell. ¶ Therfore cōmaunde hym to abyde ſtyll / ꝛ to this wounde is nothynge better / thā to holde ẏ rule of ẏ wou̅de in the ioynture / as hyer after ye ſhall lerne. ¶ If in ẏ elbow be an arow or the arow heed / thā folowe ẏ .xvii. chaptre / yf he wyl not goo out at your pleaſur / thā put therto coſt oyle / ꝛ make ẏ wou̅de wyde I nowgh wherby ye may haue out ẏ arow heed / thā fulfyll the wounde with oyle of roſes medled with the yolke of egges / or wᵗ the whyte of egges. and then clenſe the wounde with a mundificatiue / as I ſhall lerne you here after in Antidotario. As ye be ſure of the impoſtumacyon or ſwellynge / than do ſuffre to growe yf it is of nede / and than hele the wounde with ẏ grene wou̅ded plaſter or Jewes plaſter / or with bawme.

¶ Of the wou̅des in the ioynts ſhulders elbowes hyppis / knees and of the glyttynge water. Ca. xlv.

When ſuche a wounde cometh to you / yf it be in the ſhulders / elbow / hyppys handes / fyngers / knees / anclowes / and toes / and you feare for the ſuperflue moyſtnes or accydētes that may come ther to. Than at the fyrſt ye muſt marke yf the pacyēt be full of fleſſhe and ſuperflue moyſtnes / or full of blode. Than ye muſt marke yf the wou̅de be grete or ſmall / deep or not or hewē / or ſtytcheth wᵗ a dagger / or wᵗ a ſworde / or wᵗ ſhot / or ẏ ſtytchyng be opē or cloſyd. And ye muſt marke yf the wounde hath bleded moche or lytell. Alſo ye muſt marke yf the wounde is in a place there as the ſynewes / vaynes / arteries / or muſcles be. And alſo ye muſt marke yf the wounde is in ẏ length / or ouertwhart / or in a ioynt or membre that is moche occupyed / as the elbowe / or knees / to the whyche ioynte cometh the mooſt greteſt payne of the greate moyſtnes that ther be foundē of the nature.

Alſo ye muſt marke or yͤ pacyēt is obedyent or nat/ and yf ye muſt take hede of hym or nat/ and out of this poyntes ye muſt take yͤ cure of this ſykenes/ ⁊ the cure is to be done in iiii. maners/ The fyrſt through good rule of meet and drynke/ and of ſlepynge and wakynge and of good reſt/ wherby the nature may be ſtrengthe for to put awaye all ſuche ſykenes. The ſeconde is/ through takynge away yͤ moyſtnes and the bloode/ ⁊ that muſte be done with purgacyōs glyſter lettynge of blood/ or with ſettynge with boxes/ and goynge to the draught/ and yͤ contrary dele rubbynge or byndyng. The iii. is with dryuynge backwart/ ⁊ reſtryngynge yͤ curſe of the bloode/ ⁊ moyſtnes/ ⁊ to ſtrengthe the mēbre. The iiii. is with yͤ conſumynge of yͤ matter. And this is to be done with ſofte makynge of the wounde/ ⁊ of the helynge of the vaynes/ or ſynewes or the mēbre/ through ſuche defēdynge ſlaked the ſuꝑflue moyſtnes.

¶ If any body be woūdyd in a ioynt or nyghe by a ioynte/ that you fere that the glyttynge water ſhulde come out/ If than the pacyent be yōge/ and full of bloode and full of fleſſhe ⁊ of moyſtnes/ than ye muſt preſerue hym of moche eethynge ⁊ drynkynge/ and let hym eete no fleſſhe nor egges nor of no ſlymynge fyſſhe/ nor meet made with ſpicery/ ⁊ let hym drynke no wyne/ but he ſhalbe content wͭ pap of otes/ or barly/ or ryſe/ or of almō mylke made wͭ brenne water/ ⁊ therof made ſoppys/ but lytell/ he may eete ſmall byrdes/ ⁊ of yonge gootes/ of all this a lytell/ If he be ſyke/ gyue hym yonge chekēs/ but a lytell/ his drynke ſhalbe barly water/ or a lytel Agros medled wͭ water/ ⁊ therof he ſhal drynke but lytell two tymes in a daye yf he can do it/ he ſhall wake on the daye for that he may ſleep the better in the nyght/ he ſhall the membre bynethe the wounde lay hyer than the wounde/ werby he may yͤ better reſt/ and yf that he may not well ſleepe/ than ſtryke on the place vnder the eere/ and on the betynge vayne/ and the handes and on the noſe thrylles with this ſalue.

¶ A ſalue.

¶ Take vnguentū populeū halfe an oūce/ olei mādragore one dragma/ opei thebaici halfe a dragma/ Corticis mādragore one ſcrupyll/ croci/ caſſie ligne/ of eche half a ſcrupyll/ cere. modicū aceti quod ſufficit. fiat vnguentum ſecondū artem. The other ſhall ye marke yf he haue courſe ⁊ vnclene bloode/ than medle his drynke wͭ burrage water/ with water of fumus terre/ ⁊ with cuſcute water/ or ſyde water growynge in the flexe/ If he hathe moche bloode/ and yͤ woūdyd vayne hathe blooded a lytel/ than let hym bloode on yͤ other ſyde/ that yͤ bl[illegible]de may be takyn from the other woundyd membre/ and wolde the pacyent no bloode let/ than ſet hym neuertheles ventoſis/ or boxys without ſlemynge/ yf the ventoſys may not be ſet than in a bathe/ than rube ⁊ bynde on the other ſyde/ as I ſhall ſaye in the nexte chaptre

¶ Item ye ſhall alſo take hede that he euery day gothe to the draught onys a day at leeſt/ and yf he hathe it not of hym ſelfe/ ſo make it hym wͭ ſuppoſitories.

¶ If the body be full of materies and of heet/ than pure it with purgacyon made by the pottykarye/ that the body may be puryfyed/ and that the moyſtnes of the wounde be alteryd through another waye.

¶ A purgacyon.

¶ And that ſhal be geuen hym with ſycore water/ and with borage water/ fenicle water/ ⁊ the afor ſayd receypte is made all thus.

¶ Take Caſſie fiſtule electe nouiter extracte. vi. oūces. Dyaprunis ſolute. iiii. oūces.

Syrupi violati/ miſces in forma liquida. or gyue hym this purgacyon that is a lytel ſtrõger for comynge to ſoner to yͤ laxacyon.

¶ A purgacyon.

Take Diacolycon.iij.ounces.electe de ſucco roſarum.ii.ounces.and miſce. If he be ſyke or feble/ and ſo ſtopped/ that you darre not gyue hym yͤ purgacyõ/ or that he wyll take not the purgacyon/ thã make this glyſter.

¶ A Glyſter.

Take yͤ erbe of Vyolette/ herbam Mercurialis/ [illegible].malowe or papyl/ hye Malowe/ Beta romana/ of eche halfe an hãdefull. water.vi.põude. this let be ſodde to gyder tyll yͤ thyrde parte be cõſumed, than take of it.xii.ounces.and do therto Hony of vyolettes halfe an oũce. Oyle.iij.oũces. ſmall rubbyd ſalt.ii.ounces.

an. an

¶ The thyrde. defende the mẽbre for yͤ torõnynge blood and moyſtnes comynge to the wounde/ and ſtrengthe the membre that it may reſtrynge and enforcyd backewart yͤ moyſtnes. And this ſhalbe done with repercuſſyues and defenſyues with ſaluynge in the mornynge and in the euenynge/ as often as ye dreſſe the wounde. And in the begynnynge of your dreſſynge that vpperparte of yͤ woũded membre roundaboute almooſt iij.palme in the length/ aboue and benethe the woũde.iiij.twhartfyngers brode from the woũde. vpon the wounde and roundabout ſhalbe layd warme thynges as I ſhall ſaye. And that defenſyffe ye ſhal haue euery tyme by you/ for cauſe without that defenſyuum may not good ſurgean be/ whyche all lernyd men of this connynge occupyed in all cauſys for all other defenſyues reſtrynynge the moyſtnes and other yll accidẽtes

¶ An excellent Defenſyffe

Take oyle of Roſes.iiij.oũces.Boli armeni.ii.ounces.Terre ſigillate/ venegre/ of eche an ounce.Camfer a dragma. Nyghtſchawe/ howſleke of eche an handfull/ ther out ſtampe and preſſe the ſappe/ an with all this ſame make a ſalue/ ⁊ occupye it as is aforeſayd/ and as I haue lerned.

¶ The fourthe. ye ſhal on the wounde and about the wounde laye thynges ſoftynge yͤ wounde/ and to brenge it to matter/ and to take awaye the payne of the vaynes. The vaynes to hele and to dreſſe with tentes it is in twoo maners.the one is better than yͤ other. The one is with warme and moyſte makynge of the wounde.the other is with colde and dryenge and conſumynge of the moyſtnes. but all the doctours occupye yͤ fyrſt with the warmynge/ al be it alſo that the doctours whryten not of this ſykenes/ but alone of the diſcraſya/ impoſtume/ cuttynge/ and ſtytchynge in the ſynewes/ vaynes/ arteries/ as I haue lerned you. And this happened more in ſmall woundes thã in grete woundes/ and pryncypally in the woundes that be ſtytchyth/ and for that yͤ ſmall woundes hath not bleded/ and yͤ blode cometh to the wounde and maye not out wherfor the ſynewes/ vaynes arteryes/ comyth to the more payne/ not onely by cauſe of the blode/ but alſo of the ſmalnes of the wounde that the medeſyne maye not come in it for the ſlakynge of yͤ payne of the woũded vaynes. Therfore it were very good to cut greter the ſmall woundes that yͤ drynes may come in it. And it is alſo my counſell/ and I haue founde in it moche profyte.

¶ One anoyntyng.

Take Oyle of roſes. one ounce. ſmall rubbyd ſalt. halfe an ounce. and drye grounde wormes in powder. a dragma and a halfe this well hote mydled to gyder/ and therin depe cotton/ and lay that vpon the wounde ſo warme as he maye ſuffre it. and ouer the cotton laye a foure dowble olde lynnē clowte depeth in warme wyne of the beſte that ye can gette to the waygthe of. ii. pounde ⁊ a halfe/ therin is ſodden theſe erbes/ mowſeere with the yelowe floures or Auricula muris in latyn/ herba Candela ſtondynge in herbario/ Arthemiſia/ Beta romana/ of eche an handfull/ and depe therin the bounde/ byndynge therwith the mēbre/ and kepe yͤ rule whyche often I haue lerned you.

Wyll you helpe yͤ pacient well and haſtly/ than he muſt ſuffre the wounde greter to be cut/ and than do as I haue aforeſayde in yͤ xvi. chaptre. If he wyll not ſuffre it/ than worke with the medecynes aforſayd tyll he be hole. If ye haue made the woūde wyder or is it wyde Inowgh of hym ſelf/ thā put therin warme oyle of roſes/ therin is ſoddē the longe grounde wormes/ and it ſtrenſed agayne through a clothe. And ther ouer ye ſhall lay cotton deped in this afterfolowynge recepte and anoyntemente made thus.

¶ A Recepte.

Take grounde wormes not dryed and graſartyſſes/ whyche is founde vnder the olde moyſty ſtones/ of eche an ounce/ this ſtampe to gyder medled with. ii. ounces oyle of roſes made of lynſeed oyle/ that ſhall ye make as hote as he maye ſuffer it. Ther ouer laye plumaceoles or ſmall cuſſhyns made of towe or lymen clothe and than bynde it.

¶ If the wounde be grete/ wyde/ and deep that ther ony vaynes or ſynewes be wounded/ thā ſhall you ſowe it as I haue lerned you in the. xii. chaptre. and put in the woūde oyle of roſes ſodden with the groūd wormes mydled with the yolke of egges/ and ther ouer laye the recepte aforſayde of the graſartyſſes. ⁊c. and do therto an ounce turpentyne/ and bynde it in all maners as I ryght now haue lerned you.

This. iij. byndynges ſhall you do. viii. or x. dayes longe tyll ye be ſure of the impoſtumacyon/ ſwellynge/ and of other yll accidētes/ ⁊ that ſhal ye know by yͤ comynge out of the matter/ ⁊ by the dyſpoſycyon of that wounded membre/ and holde al tymes the [illegible] aforſayd/ of etyng/ drynkyng/ ſlepyn g[illegible]nd to do his eaſament by hym ſelfe/ or purgacyon And than hele the wounde lyke another wounde ſhall be helyd.

¶ The other maner

Whan that glydtynge water commyth out ye muſt drye and ſtoppe the moyſtnes. and waſſhe the wounde with mannys water/ Or put the ground wormes in a glas/ and ſtoppe it wel/ and wynde that glas rounde about in thowgh/ and ſet it in an ouē with other breed/ / and with that water that comyth of the ground wormes ye ſhall waſſhe the wounde/ and therto is better yͤ water that is founde betwene the ſhulders of an oxe. And as the woūde is waſſhed put therin this powder herafter folowynge.

¶ A powder.

Take Bolus armeni/ rede Myrre/ whyte Frākēcenſe/ Maſtick/ Dragōs blod/ Grekes pyche/ of eche lyke moche/ and this all togyder make in powder.

¶ A plaſter.

And then make this recepte/ Take bolo armeni/ an oũce. reed alom half an oũce. and whyte of egges as moche as is Inowgh ⁊ thycke as hony/ and ſtryke it lyke a plaſter and lay it therouer. Or take this recepte here after folowynge.

¶ A ſalue.

Take bolus armenus an oũce and a halfe. reed alom an oũce. ſtuf meel of a myll half an oũc. wheete meel a dragma. and whyte of egges ſo moche as is Inowgh/ and thycke as hony/ and kepe the rule as it is afore ſayde. ¶ It happeneth ſomtyme ẏ the woũde is helyd/ and the ſeuerynge or glydynge water layde about ẏ ioyntes/ and ẏ ioyntes waxed grete as a mãnys heed/ and the ſkyn abydeth hole as another ſkynne/ and theſe moyſtnes muſt be conſumed in this maner.

¶ A purgacyon.

maioris Fyrſt with the purgacyõ of pillule hermodactuly/ or with pyllule fetidis. The secõde lay thervpon without that dryeth ⁊ conſumeth/ ⁊ lay it plaſterwyſe ouer the ioynt at euenynge and mornynge/ ⁊ it muſt well be bounde with a longe rollynge bãde. ⁊ ſhall be made in this maner.

¶ A plaſter.

Take Oyle of olyue. xxiiij. oũces. Dragãtũ/ Maſtick/ Gõmi arabici/ of eche. ij. oũ. Boli armeni. iiij. oũces. rootes of ambra/ or conſolide maioris/ all togyder ſtamped pure and fyne/ ⁊ do therto whyte of egges well betyn/ then occupye it as is afore ſayde. If ye wyll/ do therto Licium/ Accicia Alumen zuccarinum/ of eche halfe an oũce.

¶ Of the woũdes betwene the elbowe and the handys. Ca. xlvi.

This wounde is not ſo gret peryll as is aboue the elbow/ for all that the longe muſcles is there. iij. twhart fyngers downe warde ẏ elbow ther ẏ ſynewes ⁊ ſtryngys be bare/ that oftentymes makyth grete payne/ ⁊ through the cramp comet the dethe/ this happynyth more in the woũde aboue the elbow. ¶ Of the woũde benethe the elbow is ſmall without leſynge of the ſubſtance/ than ſhall the wounde be bounde after that xij. chaptre. ¶ If the woũde be lengthe ẏ arme or ouertwhart that it muſt be ſowyd/ than worke and bynde it after the. xiiii. chaptre. In lykewyſe do to the wounde that is ſtytched. ¶ If the arme be throughe cut/ than ſhall you ſow it lyke as another wounde/ ⁊ ſhal be layd in one pype/ or in ſplenttys/ and in a touwell hãgyd/ as it is ſayd in the. xliiij. chaptre/ and yf the pacyent be not wᵗ a pype bounde/ but with ſplentes/ than lay ẏ arme on a borde/ and bytwene the borde and the arme with a kuſſhyn fylde with hey/ ⁊ in the wynter fylde it with fedders/ the hey is for colynge/ ⁊ the fedders for warmnes/ the pacyẽt ſhall holde in his hãde a roũde ball/ or a rounde ſtafe vpon the borde ſtondynge vpryght ¶ If the woũde be in ſuche a membre/ there as many vaynes come togyder/ pryncypally ẏ pulſe or betynge vayne/ than take hede yf the vayne hath moche blood or not/ and hath ſhe not bled Inowghe/ than do after the. xv. chaptre. ¶ Blood the wounde ſo moche that you can not ſowe it / than bynde the arme aboue the wounde as I you haue lerned in the .xiii. chaptre. ⁊ that bloode ſhall you ſtaunche after the lernynges in the .xv. chaptre. And than ſhal ye vnbynde the bawnde from it / and lay the arme ſo hye that ẏ wounde hangeth nat / and that the ſame laye hyer than the elbowe.

¶ A very good experimente to ſtaunche bloode.

¶ If the wounde wyll nat leue his bledynge / then take hede of this lernynge. For I Jeron was callyd to one that was wounded aboue the wreſte of the hande / and the ſeruaunt of a barbour hath ſowen it. I aſkyd the pacyēt yf he had blede moche or not he ſayde naye / then I let the wounde to be bounden to the nexte daye / and than ẏ wouñde bleded agayne. ẏ .iii. daye I vnbouñde ẏ wounde / than cam the blode ſharply out / than bounde I the wounde haſtly agayne / but the blood ranne out neuertheleſſe / than I bounde on the vayne a bloodſtone / as it is lernyd in the .xv. chaptre. The one parte of the bloodſtone dede I bethyn in powder and that medle I with the whyte of the egges and towe therin I depte / and I bouñde it on the wounde / and therwith was the vayne ſtaūchyd that ther no drope of blood cam out / and than layde I the arme on a borde / and ſhortely cam that bloode in the arme ſo plenteūll that the arme of hymſelf lyfte vp. Than layde I my hande on the arme to holde it ſtedly / for all that it lyfte vp vnder my hand. Than baūde I the other arm aboue the hande that the hande was blewe / and after that the blode cam in the arme that not was hurte / and thā the wouñded arme laye ſtyll on the borde / and whan I ſawe that the byndynge ſhulde hurte the hole hande / than I loſe a lytell the bounde and ſo lete I the hande long dayes bounden not to faſt. And as I ẏ wounded arme wolde dreſſe than I bounde the other hande for the tyme the harder / and for cauſe the wounde was ſtaunched .viii. dayes. I lefte the hole hande vnbounde / and I ſholde dreſſe ẏ wounde / and anone bledeth ẏ wounde agayne / than bounde I agayne the hole arme very harde / ⁊ therwith was ẏ wouñde ſtopped. Therfore take hede whā ye ſe ſuche a wounde than bynde the contrarye parte as I haue lernyd you in ẏ .xv. chap.

¶ Another experymentall lernyng for to ſtaunche the bloode.

¶ Alſo was I callyd to a yonge man which was ſtytched through his legge aboue his knee / to the whiche was callyd another mayſter before / whych therto dede a good ſtaunchynge of blode / neuertheleſſe the wounde bleded ſtyll / and I deſyre not to come ther / for cauſe of ẏ mayſter / but I marke that the pacyent became febler and fayn thā I ſette the afor ſayde ſtone / and in the mean tyme dede I ſtampe ſmall netyll. And I cauſe the other mayſter to vnbynde the wounde / ⁊ anone cam commyng out of ẏ wouñdyd vayne a fynger thicke blood. Thā I layd on the vayne in the wounde ẏ bloodſtone and that powder of the ſame bloodſtone mydled with the whyte of egges / and ẏ powder thus mydled layd I rounde about the bloodſtone / and thā I bounde therupō on the wounde the ſtamped ſmall netylles and than I bounde it with a rollynge bouñde that ther cam not out one dropell of blode. All be it ſo that a mayſter layde the aforſayd bloodeſtone on a woundid vayne / neuertheleſſe it wyll not ſtoppe nor ſtaūche ẏ blode / lyke wyſe as it hath happeneth me.

And whan I cleãſe and ſhaped the ſtone and whan I layd from the wounde/ and thā bruſed his powdre as therto belongethe. Therfore it is good to haue yͤ ſtone in powder dry to lay thē vpon yͤ woūde & vaynes.

¶ Of the wounde of the hande and the fyngers. Ca. xlvij.

These woundes be not ſo deedly as the woūde in the elbow Neuertheles therto cometh often tymes impoſtumacyon and ſwellynge/ therfore take hede yͭ it neded to be ſowed the wounde/ thā worke after the .xiii. chaptre. and bynde it lyke another wounde. If the wounde is with ſhot/ than take out the pellet lyke as it ſhewed before in the .xvi. chaptre. If the wounde hath bled but lytell/ Than let hym blood as is ſayd in the .xv. chaptre. If ther be grete payne of the wounde/ and the payne wyll not ſlake then make this after folowynge remedye.

¶ A medecyne.

Take boli armeni .ii. ounces. oyle of roſes .iiii. ounces. opium .xl. barly cornes heuy. venegre/ half an ounce. ſemē biſantie or byſant ſede one dragma. whyt poppyon ſede or ſemē papaueris albi. a drag. nyghtſhede or howſleke ſap. iiii. ounces/ medled to gyder/ and lay on the place ſo often tymes tyll the payne be ſlaked/ but not longe for the coldemakynge of the membre. And hele the wounde lyke another wounde. If after yͤ helynge of yͤ woūde come there ſmall bollynge or knottes that yͤ ioynte maye not be broken. than ſhall ye laye on the knottes euery daye this plaſter folowynge.

¶ A plaſter.

Take powder of litargiri .iiii. oūc. olii Olyue .xx. oūces. muſtilaginis fenigreci/ muſtilaginis ſeminis lini/ of eche .xvi. ounces. muſtilaginis maluiſtici .viii. oūces. reſyne .xxiiii. oūces. cere .iiii. oūces. oleum camomille a pounde and halfe a poūd. farine fenigreci/ farine ſeminis lini/ of eche .iiii. oūces/ maſticis/ thuris/ of eche .ii. oūces. hogges grece/ capons grece/ gooſe grece/ duckes grece/ of eche .iiii. ounces/ all this medled to gyder & make therof a plaſter/ & laye it on yͤ knottys/ & than ſhall it be euen Or make another ſalue to the ſame in this maner.

¶ A ſalue.

Take hogges grece/ gooſe grece/ kapons grece/ duckes grece/ of eche .vi. oūc. waxe/ .ii. oūces. litargirum .ii. oūces. oyle olyue .viii. oūces. farine fenigreci/ farine ſeminis lini/ of eche .ii. oūces. bdellii/ oppoponaci/ thuris/ maſticis/ of eche an oūce/ of al this make a ſalue/ With this ſalue gothe away all the hardnes of the ioyntes/ and the knottes be euen. ¶ If ony parſone is cut of yͤ hāde/ ther ſhall a quycke henne be opened puttynge the ſtumpe of yͤ arme therin/ & that ſhall ſtaūche the blood. than ſhall you ſowe the ſkyñe croſſewyſe ouer the ſtumpe/ and therupon ſtrawe the powder aforeſayde. & as herafter foloweth.

¶ A powder.

This powder is made of whyte frankēſence/ dragons blode/ and medle of this powder a lytell in the whyt of an egge and depe therin towe and lay it on the wounde. If a parſone is the arme or the hande cut of/ and ther is ony peces of the bone in the ſtumpe that is a lytell loſe or not/ that ſhall ye pretelly take out/ or is that bone not euen and ther appere ony ſharpnes of bonys out of the

yͤ lyme of egge ſhells

wounde/ than put the ſkyn backwart/ and than cut of the vneuen bone/ and ſowe the wounde as is aforeſayd/ and than hele the wounde with ſtaunchynge of the bloode/ and with the tulynge aforeſayd. And occupye altymes the defenſyffe/ whyche is nedefull to this wounde. ¶ If this woũde wyl not be ſtaunchyd of the bledynge/ than lay therupon this herafter folowyng powder.

¶ A powder.

Take Boli armeni/ papyr brennyd/ wyne ſtone/ of eche lyke moche/ & bynde the woũde faſte that the blood be ſtaunchyd.

¶ Whan the fynger is cut through/ than ſowe it clenely/ and bynde it lyke another wounde. And ye ſhall lay the fynger in a pype of elder tree/ and than hele it as I before haue lerned you.

¶ Of the wounde in the breſt.

Ca. xlviij.

Of the woundes in the breſt howe they happened/ ſpeketh Gwido yͤ merueylyd him that he hath foũde whryten ſo lytell of Galieno/ Haly abbate/ and Auicenna/ of yͤ membres that be holden/ and moche is whryten of the mẽbres whyche holden/ and in theſe happened the woundes in ſondry maners/ and therfore ye muſt haue alſo ſõdry cures/ therafter as they be. It is ſomtyme done wͭ a ſworde/ or with a dagger/ or with a ſhot/ or wͭ a ſpere through ronnyng. Sõtyme is woũdyd the vttermooſt ſkynne and the fleſſhe. ſomtyme in the holnes of the breſt. ſomtyme through yͤ body. Somtyme is woũded the membres within the body/ lyke as the harte// the longues/ and dyafragma/ that is the pãnicle that departeth the herte from the other membres. And ſomtyme is not towched yͤ membrys within/ thã it is but a ſymple woũde. And this is nedefull to be knowen of this particyon to the ſurgean/ that he may the better do her cure. And bycauſe that the olde doctours in this cure accordyth not/ therfore I ſhall whryten ſomwhat for to knowe the maner of the woundes er ye take it in charge.

¶ The fyrſt is. If any be wounded in the breſt with a ſwoorde or other lyke wepen/ it is lyghtly to knowen yf the wounde wͭin be cut through or not/ for the greatnes of the wounde. But is it wͭ a dagger or arow it is yll to knowe yf it goth through or not. Therfore it is nedefull to haue tokenes for to knowe the ſame. And that token that the wounde gothe through the breeſt/ or in the holnes of the breſt is/ as the wynde cometh out the wounde/ pryncypaly whan the noſe and the mouth is ſtoppeth/ than ſhall yow hãge a lytell feder on a threde afore yͤ woũde/ is the woũde through than ſhall meue the feder. ¶ The token that the herte is wounded/ is the blacknes of yͤ blode/ and that the membres without be colde/ the ſuperfluyte of the ſweyt/ of ſwommynge/ or Sincopis minuta. The place of ſuche a wounde is vnder the lyfte pappe/ and that is not good ſuche a woũde to take in hande therfore it is a cauſe for to refuſe it/ for it is a deedly cure. The tokens that the longue is wounded/ that yͤ blood comyng therout is rede and ſhomynge/ and the pacyente is

hoote and kowckyth/ and is pale an yͤ place of the wounde is on the ryght/ And as Galienus ſayd/ whan moche bloode comyth through the mouth without payne/ that is a token that the vaynes be hurt/ ¶ The token yͤ the diafragma is woūdyd/ that he cannot hale his wynde to hym/ ⁊ ſtrongly cowghed with bloode ⁊ ſlymy ſpattyll/ ⁊ that the pacyent hath great payne in his ſyde/ ⁊ the place of this wounde is by the ſmall rybbys/ if therto comyth yll accedēte/ than it is dedly/ and yf the bloode ryn in yͤ belly/ than it wyll corrupte for nede and rotte/ and the token of this is heuynes of the ſyde/ and of yͤ ſmal rybbys/ ſtynkynge ſpattyll with moche cowghe/ ⁊ the pacyent hathe therwith the arcis/ and Iamerꝰ ſayd alſo the wynde that comyth out of yͤ woūde/ and the mouthe ſtynketh ſo ſore yͭ it may not be ſuffryd/ ⁊ yͤ clowte ſtynckyth of the bloode that comyth from yͤ woūde/ and the woūde that gothe through yͤ backe/ is in more peryll than yͤ other/ for the vaynes/ ſynowes/ throte/ and ſtryngis of the hert/ and that is faſtenyth to the backe/ and the wounde of the mary is alſo ſore peryllous/ and the wounde of the backe bone that is not depe/ that is not peryllous/ and the wounde that towched not the backe bone/ is not ſo peryllous. ¶ If the wounde be ſmall without leſynge of the ſubſtaūce/ and that cometh not to none yll accedence/ yͭ ſhalbe dreſt with tow depped in the whyte of an egge/ ⁊ therin mydle a letyll drogōs bloode with frankēſence/ lyme of egge ſhelles/ and on the .iij. day ſhall the wounde be dreſt agayne/ and than hele it with a grene woundyd plaſter/ or with the Iewys plaſter/ or with bawme/ but wyll you occupye the bawme/ ſo muſt you occupye it at yͤ begynnynge to the endynge without dreſſyng of the whyte of an egge doynge therto/ and alſo defende the wounde from hete and ſwellynge with that defenſiuum.

¶ A Defenſyfe.

¶ Take Bole armeno/ oyle of roſes/ and a letyll venegre. ¶ If the wounde be great yͭ it muſt be ſowed/ than ſowe it and bynde it ſo as I haue lerned you afore/ and ye ſhall hele it lyke another wounde with the grene woundyd plaſter/ or with the Iewys plaſter/ or with the bawme. ¶ If the wounde be ſo greate and depe ſtytcheth or ſhotten/ that it gothe in the hole of the body/ of ſuche a wounde ſayd Rogerius/ Brunus/ Wylhelmus de Salecceto/ Lancfrancus/ that it ſhall not be boūden/ for cauſe yͤ bloode ſholde not abyde within/ ⁊ ſuche a woūde ſhall be kepte vp with tentes/ depeth with oyle of roſes/ and with ſalue/ and ſtryke about with defenſiuum/ and whan ye be ſure of yͤ yll accidence/ than ſhall ye clenſe the wounde with this.

¶ A clenſynge.

Take Frankēſence/ Myrra/ Farina lupinorum/ of eche an ounce/ ſtraynyd roſe hony vi. ounces. camomyll floures. ij. ounces wyne one poūde/ and a halfe/ all this togyder mydled/ and this in the wounde ſrowttyd/ for to clenſe the wounde/ and take hede that ye ſpowtte no more in the woūde than he may ſuffre/ and than rolle the pacyent on a table roundabout/ and tourne hym vpon the wounde/ that the clenſynge may come out agayne/ yf he may that ſuffre no more/ ſo do in yͤ woūde agaīne yͤ tētes/ ⁊ clēſe it wͭ this plaſter. Take roſe hony/ frākencenſe/ myrra/ ſarcocolle/ or take an other plaſter.

¶ A plaſter.

¶ Take ſtrayned roſe hony turpentyne vi. oūces. barly meell/ as moch as it neded/ ⁊ thā ſhal yͤ woūde be clene wͭ this plaſter/ ⁊ with this plaſter/ ⁊ with the aforſayd ſpowtynge/ that takyth away yͤ yll matter/ and this is the counſell of yͤ aforſayd mayſters/ bycauſe yf yͤ matter ſholde abyde in yͤ woūde/ it wolde come to yͤ hert/ and to al other gentyll mēbrys within yͤ body/ ⁊ it wolde be the dethe of the pacyent. Theodoricus ⁊ Henricus ſayd that the wounde ſholde be cloſyd. and yf it is of nede yͭ the pacyent is ſeble/ than ſhal ye gyue hym ſtrengthyng ⁊ confortynge to the nature/ and yf the wounde be not haſtely cloſen/ yͤ naturall het ſholde through the wounde come out/ and the colde ayre wolde go in/ whiche ayre dyſtroyeth the wounde/ but Guido makyth concorde bytwene the aforſayd mayſters/ and ſayd that the ſubſtaūce of the thynges that comyth in the wounde of the breſt/ as well it is in the fyrſt parte/ as in the other parte And to all the woūdes of yͤ breſt belongth twoo curis/ one wͭin/ ⁊ another without/ ⁊ this woūdes is to be knowen by yͤ forſayd tokēs. ¶ As you knowe by the aforſayd tokens/ that there is no membre within woūded/ or that no matter comyth therin/ the wounde ſhall ye hele without tentes/ and wͭ plaſters ⁊ ſalue incarnatiuū/ ⁊ with plumacyoles deppeth in wyne/ ⁊ with byndynge that ſeldō be cheunged/ yf ye be called to a woūdyd pſon/ ⁊ that ye ſere yͤ woūde hathe bleded inwarde/ that ſhal ye know by yͤ ratlynge of the pacyēt/ ⁊ hath he bleded a lytell/ ⁊ that yͤ blood rynnynge is done/ than cōmaunde you yͤ pacyent to ſtupe on yͤ woūde/ ⁊ that he may meue hym that the blode may come out/ and as that is done/ ſo let yͤ wounde be tentyd with medſynes or dryrsnes that drawith outwarde/ as turpentyne/ or hony that is better that drawyth outwarde/ and dryeth/ and clenſyth. And bynde hym with plumacyoles of tow/ but not to ſtyffe/ in this ſame day let hym bloode/ In yͤ .iij. day glyſter the wounde wͭ the ſoden wyne/ as I ſhall ſay here after/ than tourne the pacyent on the woūde/ and therin doo reaſonable tentys/ and that it let not yͤ out comynge of yͤ engeled bloode or matter/ and the tentys ſhal be bounde with a lōge threde/ by cauſe that the tente fall not in the holnes of the breſt/ for the pacyent ſholde ſuffer moche harme. ¶ If ther be the rynnynge of the blood/ than ye ſhall not ſtoppe it/ but yf it rynnyd to moche/ than it is nedeful to ſtoppe it/ yͭ the pacyent leeſe not his myght. ¶ As that bloode is ſtopt/ and the other ſyde is let blood on the vayne/ and the wounde is glyſtert with wyne/ than haſte you with the tentes/ and plaſters that the bloode may melt/ and conſume/ and takynge away the payne/ as is there herafter.

¶ A ſalue;

¶ Take Farina ordei .xij. ounces. Farina fenigreci .viij. ounces. Florum camomille Abſinthei/ Calamenti/ and rubbyd branne/ of eche .iiij. ounces/ This is the beſt experyment drawynge out the blood of the groūde of the body. ¶ As any blede inwarde through the wounde/ than take of the vnder cruſt of a lofe/ as hoote as it comith out of an ouen/ and lay the crom of the breed vpon the wounde/ as hoote as he may ſuffer it. ¶ And yͤ pacyent ſhall be layd vpon yͤ ſyde on yͤ woūde/ this do as often as he may ſuffer it/ tyll ther in is no more bloode/ and thā ſhal be gyue hym medſyns to hele hym.

¶ A medſyne.

¶ Take bolus armenis / terra ſigillata / with water therin is ſoden roſes / ſumach / ballauſtie / granorum myrtillorum / maſticis / ſytrinorum / or ye ſhall gyue hym medſyns conſolidatyues / as terra ſigillata / bolus arminus / of eche .ii. oũces. Mumie .iii. ounces. Sumach Sytrinorũ / Sorborũ / Cõſolida maioris / et medie of eche an hand full / ⁊ ſethe this in rayne water / or in water therin yron is quenſyd in. ¶ Goth the woũde through to the inwarde membres / and they is woundyd / than maye ye iuge the wounde dedly / neuertheles / doth the beſt / for the nature is ſomtyme ſtronger than ye wene. Therfore ſhall ye take hede where yͤ wounde goothe in / or touchyd / And is the woũde in the hert / than receyuyth the woũde of yͤ hert no helynge / bycauſe ther is ſom vaynes by the hert / as they is woũdyd / thã comyth the haeſtely dethe / and that bloode dyſtroyed yͤ naturall hette / Or is yͤ woũde in yͤ lõgues / it may not be well heelyd / but w great ſuttylte of an experient ſurgyan / and the wounde comyth comenly to corrupcyon and rottynge / for the matter may not be clenſyd / than with cowhynge / for the cowhynge maketh the woũde wyder / alſo it is nede that the wounded membres be in reſt / for the longues is altymes meuynge / the longue hath alſo a ſharp ſuttyll bloode / that not alone dyſtroyeth the yll fleſſhe / but corodyth and conſumyth the good fleſſhe / (As Galienns ſayd) ¶ The medſyns that ſholde hele the longues that can not come to the longues / than through the longe way of the mawe and the lyuer / and ther leeſyth the helynge his myght / therfore yͤ longues may not well be helyd / therfore the pacyent gettyth Empetici / that is that he matter ſpatyd / therafter is he Ptiſic? and dyed.

¶ As Diafragma is woundyd / he may not be well curyd / by cauſe it is altyme meuynge / ⁊ it is in the ſeruyſe of the hert / geuyng wynde / therfore is her workynge needly to the breeth / than is that alſo hurte / As yͤ partyes within be woundyd / ther the ſenewes / muſcles / ⁊ fleſſhe tokyth hyr begynnyng / of yͤ which woũdige takyth yͤ herte lyghtly great harme If yͤ woũde goth to yͤ inward mẽbres / and is yͤ aforſayde tokẽs in the longues not great / and is the woũde outwart ſmall / than muſt ye make yͤ woũde a lytell greter / that ye may do therin the medſyns / drynes / and ſyccatyſſes made of this afterfolowynge powder.

¶ A ſyccatyſſe powder.

Take Dragantum / Maſtike / Olybanũ / Gũmi arabici / Fenigreci / of eche lyke moche. And his meet ſhall be of Brãne water midled with penidium. And comaunde the pacyent to be ſtyll and to reſte without meuynge. If the wounde is in Dyafragma and the accydentes lytell / than ordre hym ſuche meet ⁊ drynke that dryueth away yͤ cowhe. Alſo put in the woũde a ſmall tente depped in oyle of roſes and medled with yͤ yolk of egges / lyke yͤ cure of other woũds ¶ If the woũde is inward ther yͤ ſynewes hath his begynnynge / than it is good to gyue yͤ pacyẽt to lyck or to ſucke cleuyng medſyns as Dyaſpermata / that is mooſt vſyd to cõfortynge of yͤ breſt / or Dyacodion / or Dyaſynphicon / And that ye ſhall laye about on yͤ wounde / it ſhalbe Embrationes with wyne / or with dryenge plaſters and with oyle. in the ſomer with oyle of roſes / And in the wynter with oleum Nardinũ and plaſters made of Calcantum / as it ſtõde in primo cathagenorum named ſtrapalma. ¶ If the longues / or yf the inward membres is not helyd in .iiii. dayes. for is it not well to be holpen. Neuertheles helpe hym with a good rule/ and let the pacyente lay on the wounde/ and bynde the woūde yͭ the blode and the matter altymes maye come out. And yf the pacyēt may not ſuffre to lay all tymes on the wounde/ than maye ye torne hym on the other ſyde/ but mooſt parte on the wounde.

¶ Item the comune medſyns or dryenes to all innermooſt membres/ ſhalbe taken the medſyns they mooſt makyth ſoftnes ⁊ ſwetnes. and that takyth away that is mooſt cōtrary to the wounde/ as herafter ſtandyd. Take Erugo eris/ Pomphiligos/ Lytargirum/ Ceruſa. All is that theſe aforeſayde medſyn makyth faſt and hole the membres without. Neuertheles they openyd the innermooſt membres.

Therfore ye mayſters of this connynge ſhuld take and gyue the pacyēt ſom medſyns cōuenyently to the cicatrices inwardly/ ⁊ theſe medſyns muſte he ſwellowe throughe the throwte wͭout chowyng and ther to ye muſt take thynges yͭ is ſower ⁊ ſlymy/ as proquiſtidos Balauſtie/ Galle/ Pſydie/ Terra ſygillata/ Sumach/ Roſe/ ⁊ theſe muſt be colyd wͭ other ſtoppynge colyges/ as Malorū citoniorū/ or Rube extremitatū/ or Myrti/ or wͭ ſharpe wyne therwͭ mydled Diadragantū. Wyll ye haue a good clēſyng/ thā do hym a waſſyng ſodē wͭ hony of yͤ beſt/ for in all ſuch medſyns is hony. ¶ If ye knew by the tokens aforſayd that in yͤ throughgoyng wounde the matter is fallē downward wͭin. thā tarry not longe to pul out yͤ matter. ⁊ Wylhelmꝰ coūſayled it/ and ſayde alſo that the wounde ſhalbe made greter/ that the matter and the bloode may well come out of yͤ woūde. tentynge with a tente deppeth in oyle of roſes/ and the tente ſhalbe brode without the woūde/ bycauſe it ſhulde not fall in/ and it ſhall be boūde with a thred/ that if it were fall in/ that it maye be pul out agayne.

And Rogerius cōmaundeth therfore yͭ the pacyent ſhall be tournyd on hys bake/ that the matter of the wounde maye come out. Jamerus cōmaundyd that a glyſtere ſhalbe put i yͤ breſt with a reaſonable quantite of wyne/ And tourne the pacyēt with his body on a table round about/ and than let yͤ wyne com out agayne. And yf it come agayn as clere as it was ſpowteth therin and cometh there out not ſo moche as there was ſpowteth in/ than let of your ſpowtynge and hele the wounde. But Albucaſis cōmaundith that you ſhal holde opē the woūde laying therin olde tow/ that the matter and other ſuperflue moyſtnes gothe out. ⁊ cōmaunde that the pacyent may be layd on the woūde/ for the matter whyche ther is gadereth may com out. ¶ And Albucaſis ſayth/ as there is paſt. iij. or. iiij. dayes the tyme of the wounde/ and that the pacyente hath no ſhakynge of the harte/ nor crampe nor ſtreyghtnes in the breſt/ and that hys condycyon and diſpoſycyon of hym is good

Than ſhall ye knowe that the wounde is in a good caſe/ and yͤ the nature is ſtronge/ than leſſe your tentes/ and the cure. yt ye marke that the pacyent may not ſuffer such madeſynes or drynes/ than leſſe your tente and lay on the wounde one mundificatiuũ plaſter made in this maner.

¶ A plaſter.

Take ſtrayned Roſe hony. xxiiij. oũces. Myrre/ Frankẽſence/ Sarcocolle/ of eche an oũce/ faryna Fenigreci/ farina Ordei/ of eche a lyke moche that it be Inowghe to make as thycke as hony. and do therto a lytell turpentyn that is very good. ¶ After yͤ coũſeylle of Guydo gyue hym to drynke Cẽtorye/ Caſtorie/ Nepida/ Cariophylata/ Pipinelle/ Piloſelle/ the toppes of Hemp Reedcowles/ Athãſis or Tanacetũ/ Lycorys/ of eche. v. dragma. and ſethe this wt hony & wyne/ & gyue hym herof to drynke a gobletfull at euery mornynge. And can ye not perceyue the thorough goynge of the wounde with tẽtes depped in oyle of roſes/ nor with no other thynges/ nor the pacyent may not ſuffer waſſhynge nor out pullyng of the matter/ and the pacyẽt hath heuynes and vpblowynge in the ſyde/ and other tokens/ that is a knowlege that yͤ matter is gadered vp Dyafragma. Is than the pacyent ſtronge and well contẽt/ than couſayled Wilhelmus/ that ye make a newe woũde with a zeſour in the neder parte of the ſyde of the pacyẽt agaynſt the backe bone bytwene the. iiij. and. v. rybbe. or bytwene yͤ iij. and. iiij. rybbes. for the Dyafragma is bowen with the rybbes and with the back bone to the. iij. and. iiij. rybbe. and the bowynge myght leue the out commynge of the matter/ than wolde the Surgean thyncke he had not cut deep Inough/ therfore it is the better to cutte bytwene the. iiij. and. v. rybbes. And as yͤ cuttynge is done/ than lay therin a tente depped in warme oyle of roſes vnto the grounde tyll the matter comme. and in the tyme of yͤ dreſſhynge/ dreſſe yͤ wounde ſhortly/ that the ayre entre not into the inwardly membres/ for that the out blowynge do not harm/ And as the matter begynne to apyre/ than ſhall you clenſe the innermooſt place thorough the newe wounde with this waſſhynge hereafter.

¶ A clenſynge.

Take wyne wherin ſodden is Camomylle Faryna lupinorum/ Roſe hony: al togyder mydlyd/ takyng ſo moche as it is Inowgh and than ſtrayne it: and therof ſpowte one pond in the wounde. Than ſhall you the pacient colle roũdabout and than tourne hym agayne on the wounde/ that the wyne and the clenſynge may come out agayne/ & than put therin a tente depped in roſe hony: Than lay therupon that mundificatiuum or the grene wounded plaſter therin is moche roſyll. and let the olde woũde be cloſyd ſhortly. ¶ Auicenna ſayth. As ye thyncke be to moche matter in Pleureſy that not is clenſyd in. xl. dayes. or les/ that dothe the parſone falle in ptiſym and to out dryeng of the naturally moyſtnes. Therfore it nedyd to ſuche a woũde to occupy a cauterye with a hoote Iron/ wherwith ye may throughe bore the breſt to the place there the matter abyded in/ that the matter may be dryed & that the matter may be dryuen out by lytell and by lytell/ & waſſhe it with hony water yͤ the matter maye come out at the vttermooſt membre/ and as the wounde is pure clenſyd/ than go to the helynge ¶ If there a comyth an impoſtume/ than ſhall you cutte open a rybbe on another place of the ſyde/ as I haue lerned you/ and it ſhalbe on the ſame ſyde ther the matter is/ and than let the matter out/ that ſhulde be not of neede were the wounde before defendyd from the ſwellynge/ as I haue lerned you. Take alſo hede as ye let the matter goo out that ye make the pacyent not febler/ therwith he ſholde leſe moche of his myght. And yf the ſpyrte of lyfe is leſyd/ than foloweth often tymes the dethe. Therfore take good hede to hym yͭ ye hym the tente in tymes put in/ depped in oyle of roſes midled wͭ roſe hony for better clēſyng of yͤ woūded place. And alſo clenſe the wounde about with vnguētum apoſtolicum/ whiche ſalue clenſyd all woundes. Therafter waſſhe the wounde with this after folowynge myxture.

Take wyne therin be ſodē Myrre/ and yͤ ſhelles of garnat apples/ and waſſhe therewith euery daye the wounde. And hele it with the grene wounded plaſter: and with this powder herafter folowynge.

Take Maſticke: Myrra: Frankenſence: Sarcocolle: Dragons blood: of eche lyke moche: made and dryuen in powder/ and than with yͤ wyne waſſhe the wounde and ſtrawe therin that powder/ and laye ther ouer the plaſter/ and plumacioles. ⁊ bynde it with a baunde depped in the wyne: and hele it. Som maner of the byndynge of the woundes in the breſt makyth yͤ fleſſhe: and ſom holdyth alone the medſyns. The fyrſte byndynge whyche makyth fleſſhe muſt be brode and longe: and therwith begynne the byndynge on the contrarye ſyde: and bynde the .ii. [illegible]es croſſe wyſe on the woūde: and wynde about with the bande ſo often as it nedyth: and ſowe the endes of the bande on that fyrſt parte ferre from the ſame woūde

And Henricus ſayd Therto ſhalbe knotte twoo ſmall cordes/ the one goynge on the ſhulder: and the other vnder the arme.

Rogerius for the medſyns to holde maketh a brode bāde with holys and with one ende and that other ende cut: that yͤ ſhulder may go through the hole of the ende of the band ⁊ wynde the breſt roūdabout/ ⁊ com agayn ther you begyn. and wͭ that cutteth ende bide hym the ſhulder. If it may be done wͭout cuttynge/ and omwyndynge the breſt/ thā ſhall yͤ byndyng be to lyghter/ as he ſayth/

❡For to come no impoſtume vnd̄ the arme ſo is the breſt boūde wͭ a cuttynge baūde/ ⁊ with the one ende es boūde roūdabout yͤ breſt comynge vnder the other hole of yͤ arme/ and wͭ the other ende bynde about ouer yͤ ſhulder/ ⁊ comy agayne on yͤ fyrſt ſyde/ ⁊ is therafſt boūd vnd̄ yͤ other hole of yͤ arme.

❡Of the wounde in the mawe mowte / or pyt of the hert. Ca.xlix.

THe woūde throughgoynge yͤ mawe. is very peryll. Is the mawe wounded that ſhall ye knowe by yͤ outcomynge of yͤ meet. and is yͤ place of yͤ woūde before/ than it is dedely. Is the woūde of the mawe not greate/ ⁊ it is in a fleſſhly place/ than may it be helyd wͭ one good ſurgean. Is ther ony wounde by the mawe or in yͤ pytte of the harte through the ſkyne ⁊ fleſſhe/ thā ſhall ye hele it after yͤ .xii. chap. Is yͤ woūde greete and wyde/ or ſtrykē wͭ a ſworde/ than ſhall ye the wounde ſowe/ bynde/ and hele after the .xiii. chaptre.

¶ Is the wounde in the holl of the body wͭout hurtynge of ẏ mawe / or ony other mēbre / than ſhall the wounde be tentyd with oyle of roſes / and roſe hony / and ẏ yolke of egges / tyll it begynne to gyue matter / and than clenſe it with the plaſter in ẏ chaptre of the breſt / therafter ſhall you do growen fleſſhe with vnguentum fuſcum / or vnguētum aureum ſcōz Meſue / whyche ſalue I ſhall ſet in Anthydotario / Or ye ſhall clēſe the woūde wͭ this afterfolowynge water.

A clenſynge water.

Take wyne therin is ſoddē mirre / and ſhellys of garnat apples / ⁊ ther in ſtrawe it wͭ the powder that ſtande in the aforeſayde chaptre / and theron laye a grene wounded plaſter / ſo longe tyll it be hole. ¶ Is the wounde in the mawe in his ſubſtaūce / and it gothe through / than is the wounde deedly. Is the woūde not grete lyke as of a dagger or another ſharpe thynge / than ſhall it be made a lytell greter / thā ſowe it agayne with a threſquar nydyll / ⁊ wͭ a waxyd ſylken thred / pryncypally as ẏ wounde is in the fleſſhy parte. If the wounde be in the vppermooſt parte ther ſynewes be / than is the ſowynge for nought / and vpon the ſowynge ſhall you lay this powder.

¶ A powder.

¶ Make it of whyte franckenſence / maſticke / dragantum / Gommi arabici / of eche a dragma / dragons blood / Mumie / of eche half a dragma. and after ſhall ye ſowe the wounde without / and leue the thred hangynge without the wounde there the maw is ſowyd / as whan that ye loſe within the ſeme ſo may you it pull out agayne / and on the ſeme without ye may lay this powder here after folowynge.

¶ A powder.

Take dragons blood / whyte franckenſence / lyme of egge ſhellys / ⁊ dryue it in powder. than hele theſe woundes without and within lyke other woundes. and alſo with wounde drynke / as I ſhall lerne in Anthitodario. For all ẏ Lanfrācus ſayth that ẏ wounde without ſhall not be cured. The wounde within ſhall fyrſt be cured / but that is not good / but the woūde ẏ is wͭout may be chaūgyd through the colde of the ayre / and that ſhold be the lettyng of helynge of the wounde within. And as the woūde within is not helyd ſhortly / thā wyll it neuer hele. Therfore muſt you applye haſtely to the helynge of this wounde.

¶ And is the wounde with ſhot / than pull out the arowe as I haue lerne you / and fyl the woūde with oyle of roſes / mydled with the yolke of egges. Defende the wounde with defenſyffe / The other daye ſhall ye lay on one plaſter mundificatiuū / as longe tyll the wounde be well clenſyd. And after ſhall ye waſſhe the wounde wͭ wyne in lyke wyſe as is in the aforeſayde chaptre.

¶ If the woūde be cut with a ſword / and is grete / than ſowe it / and on the ſeme laye this powder / of dragons blode / lyme of egge ſhelles / whyte frankenſence.

¶ A powder.

Item. Wilhelm⁹ made this powder of dragons blode / dragantum / gomme of araby of eche lyke moche / for this helyd ẏ woūde to gyder. Therupō lay towe deppyd in ẏ whyte of an egge mydled with a lytell of ẏ aforeſayd powder. And after clenſe ẏ woūde with oyle of roſes / and with roſe honny. and waſſhe it with ſoddē wyne / lyke as it ſtonde in the Chaptre of the wounde in the breſt. And yf ther to come any ipoſtemaciō than ſtrawe therin this aforeſayd powder and lay theron ẏ grene woūded plaſter tyl the woūde be well hole. Holde all tymes ẏ rule of meet and drynke/ and lettynge blood and doynge well his eaſement/ as is afore ſayd in the chap. of ẏ woũdes in ẏ Joynte.

¶ Of the wounde in the belly. Ca.l,

Som tyme is the wounde in the belly before/ and ſom tyme be hynde/ And the wounde ẏ es before is through the webbe or ſleme ther the boweles lay in. that one is callyd Myrach and that other is a thynne panycle/ and is callyd Syfac/ and lyeth within Myrach/ and kepyth in hym the guttys/ & on the hynder parte is the .v. ſpondeles of the reyne/ & the fleſſhe ther vnder. ¶ Alſo is ther woundes within/ as in the many fold/ in the guttes/ and in the mawe/ and in the renne/ and in the moder (or matrix) and in the bladder/ The woũdes in the belly is ſomtyme that gothe not out/ and ſomtyme gothe there out that fleme callyd zirbus/ and the guttes/ or other lyke. ¶ And the woundes happenyth ſomtyme with a ſworde/ and ſomtyme w a launce/ and ſomtyme with an arow/ and ſomtyme with other inſtrumẽtys/ that ſtytchyd o[illegible]rtyth. Som woundys be great & ſom ſmall cut with a dagger/ ſom twhart/ & ſom cleuyd in lengthe. Som lytell/ ſom great/ ſome wyde/ and ſom narowe. And this poynttys muſt ye know er ye begynne to cure the woũde. ¶ And herafter folowynge be the tokens of the wounde/ wherby ye ſhall know what membrys ther be wounded without or within the body. ¶ The token of ẏ woũde in ẏ bely going not through it is knowen by the ſyght/ and by ẏ prouſe/ as that ther comyth not out. ¶ The token of the woũde of a ſtytche ẏ is goyng within/ that is be knowen as ẏ prouſe gooth deppe inwarde/ & as zirbus/ or ẏ guttes/ or any other gothe out. ¶ The token that zirbus hath bene longe out/ as it is chaũgyd/ that is as his ſubſtaunce is blacke and ſtynkynge. ¶ That token that the guttes is woundyd/ that is as the dyrte gothe out/ And if the great guttes/ or ſmall guttes be woundyd/ is knowen through the place of ẏ woũde. aboue the nauell is the ſmall guttes/ & vnder the nauell is ẏ great guttes. ¶ The token that ẏ mawe is woũdyd I haue ſayd in ẏ fore wrytyn chaptre. ¶ The token that the lyuer is woundyd/ is to know in ẏ out comynge of the bloode/ and the wounde is in the ryght ſyde ¶ The token ẏ the mylt is woundyd/ that is the out comynge of ſtynkynge/ and is in the left ſyde. ¶ The token that the renes be woundyd/ is knowen by out comynge of watry bloode. Galienus ſayd that the wounde and ſowynge is more peryllous in the myddys of the belly/ than in the ſydes. ¶ The wounde that gothe not through ſhal be helyd/ with the grene woũdyd plaſter or bawme/ lyke an other wounde/ as is lerned in the .xii. and .xiii. chaptre. In lyke wyſe ſhal be cured ẏ through going woũde within/ as ther no lymmys be woũdyd/ than alone ẏ the woũde gothe thrugh Myrach/ and Syfac/ this woũde is cured in the ſame maner afore ſayd/ & it muſt haue another ſowynge. ¶ The ſowynge of the belly is in many maners/ And Galienus cōmaūded the ſowynge all thus. ¶ In the fyrſt threſt the nedyll in the one lyppe of the wounde/ and towche with ȳ nedyl Syſac/ and after that treſt the nedyll through Myrach/ and knet it on the wounde. And in the ſecōde ſtytche/ lette ȳ nedyll goo in through the one lyppe/ through that hole Myrach ⁊ Syſac/ and that ſhal be knet without/ and goo ſo forth tyll yt be all ſowen/ ⁊ Galienus ſayd another ſowynge/ and Albucaſis folow with the ſowynge/ and it is more comonly alyghter. The ſowynge is in this maner/ ye ſhal ſowe the border of ȳ lyppys togyder and to euery ſtytche a knotte/ as moche as it nedyd. Albucaſis ſette the maner with the nedyl and ſowynge/ as is afor ſayd/ but lette the nedyll ſtytche in it/ and wynde the thryd about the nedyll/ as is aforſayd in ȳ xiii. chaptre. Lanfrancus ⁊ Henricus ſayd another maner/ that ye ſhall ſtytche with a nedyll the thryde without in the lyppe of ȳ wounde/ and ſtytche it through Myrach/ ⁊ Syſac/ and ſo as ȳ ſtytche may be ordred ryght/ therafter ſow the other parte of the lyppe outwarde agayne/ ⁊ cut of the endys of the threde/ and let it be longe Jnowgh/ and after that ſow in ſuche maner/ and let bytwene ȳ ſtytchis a ſpace of a twhart fynger/ and as that is done/ make one knot of the .iiii. ſtytchys/ and ſo goo forthe in the ſowynge of the hoole wounde/ and through the ſowynge of Syſac/ that hath no fleſche/ be cured with the helpe of Myrach/ and wᵗ the woūde outwardly/ and the bandes of ȳ breſt may we occupye to this woundys of the belly/ ther no lymmys be woūdyd/ nor comyth out. ¶ When the guttes is woūdyd ouer twhart/ or is in pecis/ thā it is dedly/ yf it be lengthe woundyd/ it may be holpen. ¶ If that the woūde of ȳ belly is not grete Jnowgh/ than ſhall ye make it greater/ as J ſhall ſhewe you herafter/ than ſhall you take out proply the guttes/ and ſow it therafter as it is nedeful/ wᵗ a ſkynners nedyll/ Jamericus/ Theodoricus/ Rogerius lay elder pypes in the guttes/ vnder the ſeme/ ȳ ȳ ſeme rotte not. Wilhelmus ⁊ ſome other/ lay therin a part of a cypet of a throte goll of a beeſt/ as the .iiii. mayſters ſayth/ But Lanfrancus ⁊ Guido they thynke it not be profitable/ for that nature is enclyned to outdrawynge ſtraunge thyngys/ and thus yt helpe not therfore it was layd/ and it is better that the guttes be ſowyd/ as afore is ſayd/ and that it be clenſyd of the vnclēnes/ and that powder ſhall haſtely be layd on ȳ ſeme/ and is made in this maner.

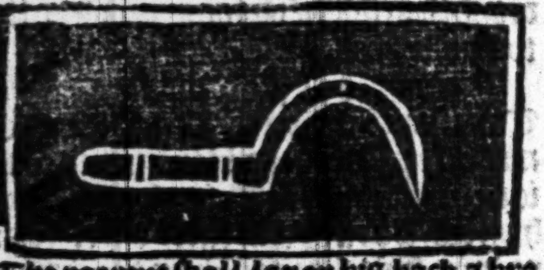
¶ A powder.

¶ Take Maſtick/ Dragantum/ Gummi arabice/ of eche an ounce. Dragons blode/ Mumie/ of eche half an ounce. than ſhall ye the guttes put in agayne/ as J ſhall lerne you/ and after that ſhal ye ſow ȳ vtter ſkynne/ and alſo that fleme/ ther ȳ guttes lyeth in/ and in the vttermoſt ſeme/ lay that powder in defendynge of the ſame. And mayſter Wilhelmus de ſaliceto ſawe a knyght hurtinge hym ſelfe with a knyfe in his belly ȳ the guttys come out/ and the guttys was wounded in the lengthe. And to the ſame was ſette Ottobanus of Papia/ the whyche gaue hym yll conforte ſayinge ȳ he muſt dye/ for cauſe he wolde put in agayne the guttys/ and they ware ſo greatly ſwollen that they myght not come in agayn. Than cam the frendes of the pacyent prayinge hym to come to the wounded parſone. And as Wylhelmus ſawe the pacyent/ than he cōmaunded to brenge warme wyne/ for the tyme was to ſhort for to ſeede water with Camomylle/ and Anyſe. And with the wy ne he waſſhyd the guttys there ẏ dyrte cam out/ than ſowed he ẏ guttys to gyder agayne/ and he layde on the ſeme the aforeſayde powder. And thā he wolde put in agayn ẏ guttys/ and they was ſo ſore ſwollē ẏ they cowde nat be hādelyd/ for the woūde was to narowe/ than he cutte the woūde greter with a ſharps/ and put the gutttys therin agayne/ and he ſowed the fleme/ and alſo ẏ ſkynne. and than he helyd the knyght that he lyfde many yeres after/ ⁊ hath chylderne by his wyfe. ¶ Comyth the Lyuer out of ẏ wounde/ ⁊ is deppe woundyd in his ſubſtaūce than lyſed ſhe his workynge/ therfore it is dedly/ for the woundes may not be helyd for the ſuperfluyte of the blood/ whyche is the foūdament and mater of the lyfe. But is ſhe not wounded in ony parte that belongyth to her/ than put in agayne the lyuer. ⁊ the woūde ſhalbe curyd lyke another wounde. ¶ Is the lyuer a lytell wounded and not ſore/ thā ſhall it be helyd of a good Surgean lyke another wounde. And it muſt be cured haſtly er it chaūgyd/ whyle it is freſſhe. ¶ If the Mylte be wounded/ ye muſt well ſerche in what ꝑte of here ſubſtaunce ſhe is wounded/ And is there a pyce cut of/ than fulfyll the other place of ẏ hole mylt. but not as ẏ porl be cut ouertwhart/ ⁊ as ẏ wounde of ẏ mylte is hard and thereof cometh the water ſprynge (or ydropiſys)/ and euer feblenes of ẏ mawe. And hangeth the mylte out/ than put it in agayn/ And as zyrbus gothe out that is ẏ fleme/ and is that corrupted/ thā bynde or knotte that ther is corrupte/ as Galyenus ſayth/ an cut it of after the knottynge vnto the neder parte of the belly/ and ye ſhall leue out of the belly the ende of ẏ knottynge that the threde of the ſowyng of the guttys may be plucke out agayn as the woūde is clenſyd. As ẏ ſeme is made in zyrbus/ thā put in to the belly that ſame zyrbus agayn and ſowe the wounde in the belly ſhortly. ⁊ let it not open tyl the inner wounde be hole also Jamerius Rogerius Lanfrācus commaundyd. and the cauſe is this. Ther is no thyng that doth ſo moche hurte the inner lymes or membres as doth the towchynge of the vttermooſt ayre/ of the whyche ayre it chaungyth/ and gettyth yll accydentes of payn/ and hardnes of the guttes/ therafter they may gette the crampe/ and after to dye In the woundes in the guttys prayſyth ſom mayſters the glyſter of ſtronge blacke coloured warme wyne/ and pryncypally as ẏ guttes hath many hooles. And all his meetes to the. viii. dayes ſhalbe thynne. for it comyth not to rottyng/ but to helynge to gyder. And herto the. iiii. mayſters prayſyd afterfolowinge. Lay wheet brāne an howre and than take it out agayn/ and do therto this drynes.

¶ A Powder.

Take floure of ſterche/ Dragantum/ Gōmi arabici/ Dragons blood: Conſolida maior or Ambra: the here of an hare/ and gyue hym twyſe or thryſe at euery daye. Is the pacyent feble than gyue hym the ſoppys of ſap therin is ſoddē chykēs/ ⁊ yf ther be layd in Dragantum. ⁊ Gommi arabici: it were very good/ and water therin is ſodden Frākencenſe: Maſticke/ and this prayſeth Wulhelmus and Rogerius. If ther be ony parſone ſtytcheth or woundyd that hys guttes come out/ and they be not haſtly put in agayne that they be vnclene/ ſwellyng and chaungynge by the ayre/ than ſhall ye take warme water therin is ſodden Camomylle flowres/ Aneis. or take warme wyne whyche hath no be fulle ryppe/ as Lanfrancus ſayd/ therin ſhall ye wet a ſponge and than warme the guttys therwith/ ⁊ ſalue yͤ guttes wͭ roſe oyle/ ⁊ put the guttys agayne in to the belly. ¶ Theodoricꝰ cuttyth open a pyg/ oꝛ another beeſt in yͤ myddes in twayn ⁊ layd it as warme on the guttys ſo often yͭ the guttes may leſſyd of the ſwellyng/ that it may come in agayn. If yͤ guttes be fallen on yͤ grou̅d yͭ it be foule/ tha̅ lay it in warm gootys mylke/ ⁊ clenſe it therin/ ⁊ than put it agayne in to yͤ belly. Be the guttys ſwollen and the wounde be ſmall yͭ the guttys wyll not in agayn/ than co̅maūded Galie. Wilhelmꝰ/ Lanfra̅cꝰ/ ⁊ moꝛe other/ yͭ the wou̅de in the belly ſhal be cut ſo grete that the guttys may be put in agayne.

¶ To this cuttynge is co̅uenyent yͤ inſtrume̅t callyd Sangatoꝛia crokyd lyke a ſyckyl/ befoꝛe on the crokynge ſharpe/ but not ſharp on the poynte/ ⁊ Albucaſys ſet it in a pycture as here ſtanded.



¶ The pacyent ſhall lay on his back ⁊ hye agaynſt the wou̅de/ and the ſurgean ſhall wyſely cut yͤ wou̅de yͭ the other guttes com not out/ ⁊ than put in agayne the guttys yͭ is out. And yͤ Surgean muſt haue a good ſeruau̅t which ſhal take̅ hede of the guttys wͭout with his hande ſoftly/ ⁊ than take yͤ wounde in the myddes ⁊ cut the wou̅de wyder/ ⁊ put therin agayne the guttys/ than ſowe it as is afoꝛſayd. Therafter defende yͤ ſeme ⁊ the wounde (as Galyenꝰ ſayd) with Foꝛmacis that is callyd ſanguinolentis/ yͭ in other membꝛes yͤ wou̅de makyd faſte/ lyke as dothe the powder yͭ holdeth the ſeme/ ⁊ the plumacioles wͭ wyne/ and the plaſter wͭ other dꝛynes that makyth fleſſhe. Comyth ther payne of the cuttyng oꝛ ſowyng as it happeneth ofte̅ tymes (as Auice̅. ſayd in his. iiij. Canon of the cure of ydꝛopiſis) yͭ of yͤ cuttynge cometh payne and pꝛyckyng Therfoꝛ it is good to put therin oyle of dyll oꝛ camomyl/ ⁊ vpo̅ the place of the cuttyng lay yͤ plaſter made of lynſeed/ hye malowe ſeede/ fenugreke/ of eche lyke moche. And ſom other mayſters as Henricus foꝛ takynge away the payne ⁊ ſwellynge/ they ſethe wyne with ſalt therin/ and ſo moch bꝛanne that it be thycke/ ⁊ they putteth in a bagge and layd thervpon as hote as the pacyente may ſuffce. Som tymes is done therto the afoꝛſayd oyle/ ⁊ do it ſo often tyll the payne be gone. ¶ The matter that is lefte in the belly and can not come through the ſeem ye need it not to fere greatly/ foꝛ the moyſtnes can not be moche/ ⁊ they membꝛes hath not moche blood as Wilhelmus ſayth/ the nature reſoluyth and co̅ſumyth the moyſtnes ⁊ ſendyth to the flanckys/ and ther it be curyd lyke another ipoſtume in yͤ ſame place.

¶ Of the wounde in the bladder/ and in the kydney.

Ca. li.

Were a wou̅de in yͤ partes whyche holde̅/ as yͤ ſkyn ⁊ fleſſhe/ it ſhalbe helyd lyke a wou̅de in yͤ xiij. ⁊ xiiij. chaptre. But yͤ wou̅de in the inner lymmes yͭ be holden/ as in the kydneys and bladder/ and yͤ moder oꝛ matrix of a woman. This be me̅bꝛes nedefull to euery body/ ⁊ this hath no other cure than the wounde in the belly.

¶ That token yͤ the bladder is wounded yͤ is the outcomynge of the vryne through yͤ place in pertine. ¶ That token yͤ the moder or matrix is woundyd/ it ſhall be knowen through the place vnder yͤ nauyll through the outcomynge of the blood/ and cure the woũde lyke another woũde with ſowynge principally whan the woũde is by yͤ necke of the matrix for ther is yͤ more fleſſhe/ ther for the woũde is the better to make faſt.

¶ The woũde in the kydney may not be helyd/ for it is feded wͭ the watery blood that the helynge be lettyd/ and alſo it is altyme in meuynge/ and it is yͤ way wher through the vryne comyth. ¶ The woũde in yͤ bladder can not be helyd/ for it is a ſynewy part without fleſſhe/ ⁊ is altyme meuynge/ ⁊ to receyue the vryne and to gyue out agayne/ But the woũde yͤ ther is in the necke of the bladder ther it hath fleſſhe and blood/ that may be helyd with a truwe cure/ lyke as it be ſene as the ſtone there be cutt out. which ſtone is growen frome longe tymes in the body of a man.

¶ Whan the woũde is in the hole of yͤ bladder there as no fleſſhe nor blood is that the vryne cometh out/ that is deedly. For all yͤ ſowe the bladder/ and laye vpon the ſeme this plaſter folowynge.

¶ A Salue.

Take Roſe hony. xxiiij. ounces. Frakencēſe/ Maſtyck/ Dragantum/ of eche. ii. oũces. made in powder/ and medled with the roſe hony. and lay aboute the wounde that defenſyfe/ ⁊ hele it. And yͤ pacyēt ſhal take hede for moche drynkynge tyll he be hole.

¶ As yͤ be called to ſuche pacientes that is woũdyd in ſuche a place/ than ſay to theyr frendes that ſuche a wounde is deedly. and promyſe the pacyent alway his helth. And fyrſt cõmaũde the pacyent to be confeſſed as one that ſhall dye/ er euer his power fayle/ and his wyt chaunge. and ther after ſhall you worke for his helth/ for the nature dothe often fayle that the ſurgean thynketh vnpoſſyble to helpe it/ pryncypally as nature getteth helpe with a good worke. Neuertheles ye ſhall not byleue no goode token that often happeneth to the pacyente. For Jpocras ſaith/ that ye ſhall not tryſt in the pacyente that mendeth haſtly without cauſe/ alſo ye ſhall not fere an euyll token without cauſe/ for this dyſceyueth often. And ye ſhall thynke alwayes that the pacient ſhall dye/ or elles he is all heled.

¶ This cure ye may take in hande in your lande/ or in youre countrey there as ye are knowen. But in ſtraunge landes take ye none ſuche in hande/ or other woũdes that is in peryll.

¶ Of woundes in the iarde or coddes Ca. lij.

The woundes in this place is ferefull for her ſubtyll compoſicyon/ ⁊ conyngly workynge/. neuertheles yf yͤ yarde of the man be wounded in lengthe or euerthwarte/ ⁊ yf the wounde be not grete it ſhall be cured with yͤ ſowynge/ powder/ lettynge blood an yͤ vayne/ and with good pryſon as another wounde. ¶ And yf the wounde be ouerthwart ⁊ clene cut of/ than is yͤ wounde mooſt in peryll/ by the traſen of many ſynewes ⁊ vaynes/ therfore somtyme yͤ pacyent dyeth or yͤ blood be ſtopped

¶ For eaſynge of the payne in ſuche a woũde. Take warme oyle of roſes and anoynte therwith from the vpperparte of the yarde vnder the nauyll/ and aboute Periconiam that is bytwene the foundament ⁊ his preuyte/ ⁊ brenne the wounde roundabout wͭ a brennynge yron/ with that yͤ bloode may be ſtopped/ and to take away the crãpe whiche comyth often of the payne. And therupõ you may lay alſo yͤ ſtone aforeſayd in yͤ .xv. chaptre. and alſo the ſtone made in powder and ther amonge medle Dragons blood/ whyte Frankencenſe/ and Aloepaticum/ of eche lyke moche mydled with the white of egges ſtryken on a clothe/ or plumacyole yͭ in yͤ myddes hath a hole as grete as a ſtrawberry/ and the plumaciole layde theron that the hole maye come euenly to the pype of the yarde that the vryne maye com through/ and ouer it ſhal you do your byndynge/ and behynde roundabout ye ſhall laye the defenſyuum And ye ſhall gyue the pacyent euery mornyng/ noone/ and euenyng the medycynable woũde drynke that I ſhall ſet in Antidothario. The woundes in the coddes deſtroyed yͤ coddes/ and taketh lyghtly away the generacyon all is yͤ parſon not in no peryll of dethe. And the cure of this is lyke the cure of a comon wounde.

¶ Of the wounde bytwene the hyppes/ and the netherparte of the backe. Ca. liiij

IN this woũde is no grete peryll/ but yf it be very great/ yͭ the ſkyn fleſſhe/ and the ſynewes be hurt/ yͭ the ſame ſynewes be ſchronkẽ ſo ſhal yͤ man halte. ¶ If yͤ wounde be cut with a knyfe ſworde or other lyke wepẽ. If the woũde be ſmal/ it ſhall be bouũde after yͤ .xii. chap. ¶ If the woũde be grete yͭ it muſt be ſowẽ/ than ſowe ⁊ bynde it after the .xii. chaptre. ⁊ ſhall be heled as another woũde wͭ yͤ grene wounded plaſter/ or bawm/ as it is aforſayd. ¶ If yͤ woũde be ſtrykẽ wͭ a dagger/ ye ſhal tente it wͭ a comely tẽte depte in oyle of roſes warme/ and with yͤ yolke of egges and ſo put it therin as farre as ye may with the foreſayd oyle/ vnto the tyme the woũde begyn to gyue matter/ then clenſe it and hele it as another woũde. ¶ Ye may aſke me wherfore I haue lerned to put ſo moche roſe oyle in the woũde/ and that I haue forbydden the roſe oyle in the .xii. and .xiii. chapt. Therupõ anſwere I/ that ye ſholde be the ſurer ⁊ faſter in your workyng/ ⁊ that ther to the leſſer com the yll accydentes of yͤ hote impoſtumacyõ. It is more profytable ſuch euyll accydẽt to defende/ thã yͤ yll accydẽt to drawe away/ for the nature of yͤ oyle by yͤ warmnes getynge of the fyre/ is ſwettynge/ ſoftenynge/ ⁊ openynge/ pryncypally in the narow and ſhoten woũdes/ for a ſtycke or a woũde come to matter than cometh ſeldome therto euyll accydent. Therfore I cõmaũde you to do therto a lytell of the yolke of an egge/ for the woũde to get a lytell clẽſynge/ yͭ the matter ſooner ſhold come. And al tymes is very good to make ſuch an oyle of roſes of vnrype grene oyle olyue/ for the roſe oyle ⁊ ſuch oyle olyue haue in them a lytel bytynge wͭ ſtyptica. Alſo yͤ rype oyle olyue is good to make rype yͤ yl accidẽt/ yͤ myddell rype oyle doth auoyde yͤ matter/ yͤ vnrype grene oyle is good for yͤ cõſolidatiuũ and for helynge togyder the wounde.

If yͤ woũde be made by yͤ ſhot of an arowe in this parte of the body/ than drawe it out

⁊ take as I haue ſayd in ẏ .xvii. chapytre. Or ſupple the wounde with oyle of roſes and ther with ſhall it be tentyd for to come out / and lay aboute the place a defenſiuum than ſhall it be clenſed with this ſalue. And after ẏ hele it with a grene wounded plaſter / and the ſalue ſhall be made of roſe hony .iii. ounces / fenigreke meele / lynſede meele of eche .iiii. ounces / oyle of camomell ⁊ barley meele of eche .ii. ounces / lay this theron / for it taketh away the payne / and clēſeth the place / his drynke ſhall be made with barley water ſodden with parſeley rotes / ⁊ let hym take hede of blood lettynge / and to ẏ drawght goynge for it is nedefull to theſe woundes / and cōmaunde them to be quyet for there is no better thynge for a wounded parſone / and often cometh of a lytel woūde grete harme bycauſe ẏ he taketh no hede of ſuche a woūde / therfore take hede in ſuche a cauſe.

¶ Of the wounde in the thyghe. Ca. liiii.

THe woundes in the thyghe or in ẏ thyckenes of the legge aboue the knee it is dredful for the muſcles that be there / and they be often deedly. Guido ſayth / there is but lytell dyfferēce bytwene theſe woundes and ẏ woundes in ẏ armes ⁊ but alonely the wounde of the thyghe is often deedly / and ẏ cometh of euyll accedent / ⁊ yf the woūde be ſmall / ſhe ſhall be boūde after ẏ .xii. chapytre / If ẏ wounde be grete ẏ it muſt be ſowed / it ſhall be ſowed after ẏ .xiii. chapytre / vpon ẏ ſeme ſhall be layde the powder of dragons blood / whyte frankencence / ẏ lyme of egge ſhelles / and leue one ende of ẏ wounde open ẏ there thrughe the wounde may be clenſed. The fyrſt day lay in ẏ wounde ẏ yolke of an egge / with roſe oyle / for to clenſe it / and alwayes do aboute the wounde defenſiuū tyll it be wel clenſed / than cauſe ẏ fleſſhe to growe / and hele it with ẏ grene wounded plaſter / and at the begynnynge alſo ye may hele it with balſom. ¶ If the wounde be ſo depe that ẏ muſcle be wounded / ſowe the muſcle with a waxen trede / and after the ſkyn ¶ And yf the wounde bleed to moche ye ſhal ſtoppe it as I haue lerned you in the .xv. chapytre / ⁊ lay on ẏ ſeme this powder / whyte frankenſence / ẏ lyme of egge ſhelles / and dragons blood / and lay aboute the wounde that defenſiuum / and in the wounde the yolke of an egge medled wᵗ oyle of roſes / ⁊ yf ye be ſure there cometh no inpoſtumacion / than lay theron fyrſt mundificatiuum / or the grene wounded plaſter / yf the wounde be depe ⁊ narowe / and bledeth ſore / ſtoppe the blood as I haue lerned you / and let blood out vayne ther agaynſt / and lay ouer it that defenſiuum. ¶ Ye ſhall knowe alſo ẏ ye ſhall neuer take tentes for holdynge ẏ woundes open there as the woūde is full of vaynes or muſcly fleſſhe / for in ſuche a wounde cometh grete harme of the tentes / therfore is put in the wounde oyle of roſes before the tentes / for ſureneſ that there ſhall no euyll accedēt come ther to / therfore ſhall ẏ woūde be clēſed and heled as is afore ſayd / And yf ẏ wounde haue not bleed moche / thē ſhal the pacyent be let blood on the vayne / and rule hym with etynge and drynkynge and to the drawght goynge / as you may ſe in ẏ chaptre of the rulynge.

¶ Of the wounde in the knee. Ca. lv.

SOre dredfull and deedly is yͤ wounde in the kne/ for yͤ grete ſynewes that is therin/ for the knees hath the moſt grete bandes Cordar and Neruor/ ⁊ they be in the nethermore parte/ there the moyſtnes haſtely cometh downewarde/ therfore all theſe woũdes ben daũgerous/ for Auicenna ſayth that the wounde on the knee by the ſhynne is euyll/ bycauſe that to the wounde cometh euyll accydent/ therof he ſhall ſeldon be ſure, and theſe woundes haue lytell dyfference of the woundes of yͤ armes/ handes/ ⁊ of fete/ but alonely this wounde in this place is dredfull/ pryncypally yf the be .iii. fyngers from the knee/ for the goodnes of yͤ place/ ſo come ther ony accedent that the good ſurgean can not better it/ As it is often ſene/ that the pacyent dyeth of a lytell wounde/ and alſo he muſt erneſtly take hede of the hynder parte for yͤ .ii. ſynewes that cometh from the heed thrughe the backe and behynde thrughe the legges to the ſooles of the fete. I haue ſene many euyll accedentes commynge of ſuche ſmall woundes ther is lytell ſet by or taken hede to/ and myſfortune is fallen to me an dother mo/ therfore it is nedefull to take care for this wounde/ and to folowe after yͤ .xlv. chapytre/ yͭ ſpeketh of all ſuche woundes of yͤ ioyntes the playne matter/ ⁊ pryncypally of that glytrynge water/ and take good hede to the lernynge of yͤ ſame chapytre/ ⁊ forgette nothynge to do after yͤ rewle of yͤ ſame chapytre/ ⁊ pryncypally yͭ the pacyent kepe hym ſtyll/ that the wounded lyth ⁊ mēbre be in reſt as lytell as the wounde is/ ⁊ of the woũde be ſmall yͤ more charge is laid/ therfore folowe the ſame lernynge tyll yͤ wounde come to his dygeſtyon and gyuynge out of the matter/ tyll ye be ſure of all accedentes/ neuertheles tryſt it not/ but go forth ⁊ folowe the good cure/ tyll that yͤ full wounde be hole. ¶ If the wounde be ſhot with an arowe ſupple out yͤ arowe in warme oyle as is afore ſayd/ and the ſame oyle ſhall do as moche good in the wounde as yf yͤ tentes were put in/ and ye ſhall ſtrength yͤ ſayd wounde with defenſiuũ/ and ye ſhall let the pacyent blood out of yͤ vayne/ and to do his eaſement/ and as ye be ſure yͭ there come no apoſtume therto/ ſo ſhall you clenſe the wounde with vnguentũ apoſtolorum ſecundum Auicennam therafter ſhall you cure it with a grene wounde plaſter/ alſo take hede yf there be ony bones departed from other thā departe it hole/ thā ſowe the vpper parte of yͤ wounde togyder/ and leue the nether parte open that the wounde may be clēſe thrughe euery day/ yͤ firſt day lay in the wounde the yolke of an egge medled wyth oyle of roſes/ yͤ nexte day ye ſhall clenſe the wounde/ after that cauſe yͤ fleſſhe to growe/ and hele it lyke another woũde.

¶ Of the wounde in the ſhynne.

Ca. lvi.

IN yͤ ſhynnes is many ſynewes yͭ cometh downe from the brayne therfore in the wounde of yͤ ſhynne is grete peryll/ not alonely for the ſynewes but for yͤ muſcles that is .iii. fyngers byneth yͤ kne thrugh whiche many perſones hath grete harme by.

¶ If there come but lytell blood out of the wounde/ let hym blood on the vayne on the contrary parte. ⁊ let hym holde the rule in goynge to ſtole/ as I haue ſayth in the .xlv. chaptre. ⁊ he ſhall drynke mydled wyne.

¶ If the wounde bleed ſore/ ſtoppe it as is ſayd in the .xv. chaptre. ⁊ then clenſe yͤ woūde/ ⁊ yf it be nede ſowe it and lay on yͤ ſeme the powder aforeſayd/ ⁊ hele it as another wounde/ wherof many tymes es aforſayd.

¶ Of woundes in the ancle, Ca, lvij,

In the ancle is the woūde perylious/ for it is ſet to gyder with ſmall bones/ Therfore as the ancle is wounded/ it maye not be ſet to gyder in hys ryghte cōpoſycyon as he was before. And alſo the ancle is faſtenned with many ſynewes/ and as they be wounded it is harde to helpe. ¶ If it be woūded with an arowe/ ye ſhall anoynte the place with oyle of roſes/ ⁊ drawe out yͤ arowe and put in the wounde the aforſayd oyle. And as ye be ſure of the wounde/ then ye ſhal clenſe it/ and after ye ſhall hele it wᵗ a grene woūded plaſter. ⁊ the pacyent ſhall holde the rule of lettynge bloode/ and of the ſtole goynge/ as I haue ſayd before: If yͤ pacyent be very ſyke or feble/ gyue hym of a ſodden chycken/ and gyue them alſo medled wyne. ¶ And yf yͤ woūde be gretely cut vnto the bone/ clenſe it withinwarde/ and then ſowe the woūde to gyder agayn. And yf the ſynewes be cut/ ſowe them to gyder and afterwarde the ſkynne/ and lay on the ſeme this powder of Dragons blood/ Dragantum/ Gōmi arabici/ of eche lyke moche and in the mouthe of the woūde put oyle of roſes mydled with roſe hony. This do .iii. or .iiii. dayes. and lay aboute the wounde a defenſyuū. And afterwarde clenſe the woūde/ and hele it with a grene wounded plaſter lyke another wounde.

¶ Of the woūdes of the feete/ or amonge the toes. Ca. lviij.

The wounde in this place muſt ye knowe yf it be ſhot with an arowe/ ſtycked/ or cutteth/ yf it be ouertwhart or a length/ and yf the arowe go throughe or not. And yf yͤ arow be in yͤ foote drawe it out as I haue lerned you in the .xvi. chapytre/ yf you fere there ſolde come payne therto by the reaſon that there be many vaynes in the foote/ fyll yͤ woūde wᵗ warme oyl. roſes/ and ſo you may drawe it out ſoftely and lay in the mowth of yͤ wounde oyle of roſes medled with roſe hony/ and about the wounde this defenſiuum/ of oyle of roſes/ boly armeny/ wᵗ a lytell vynegre/ and as you be ſure of anguyſſhe clenſe the wounde and hele it with the grene wounded plaſter or with Ieuys plaſter/ If the cut wounde bleed ſore/ than ſtop yͤ bledynge as I haue lerned you in the chappytre of the woundes ſtoppynge/ than ſowe it and bynde it as I haue ſayd in yͤ .xiii. chappytre/ and lay vpon yͤ wounde yͤ powder of whyt frankenſence dragons blood/ the lyme of eggeſhelles/ ⁊ aboute the wounde lay the defenſyuū aforeſayd/ then clenſe yͤ woūde/ and hele it lyke another woūde. Alſo lay the foote hye ⁊ kepe it metely warme ſo yͭ the moyſtnes come not therin. ¶ And kepe the pacyent in rule of mete ⁊ drynke / ⁊ of goynge to yͤ draught as I haue lerned you. Also you ſhal know yͭ the ſynewes cometh from the brayne. and yf the foote be cut ye muſt be the more dylygent and dredefull to take it in cure.

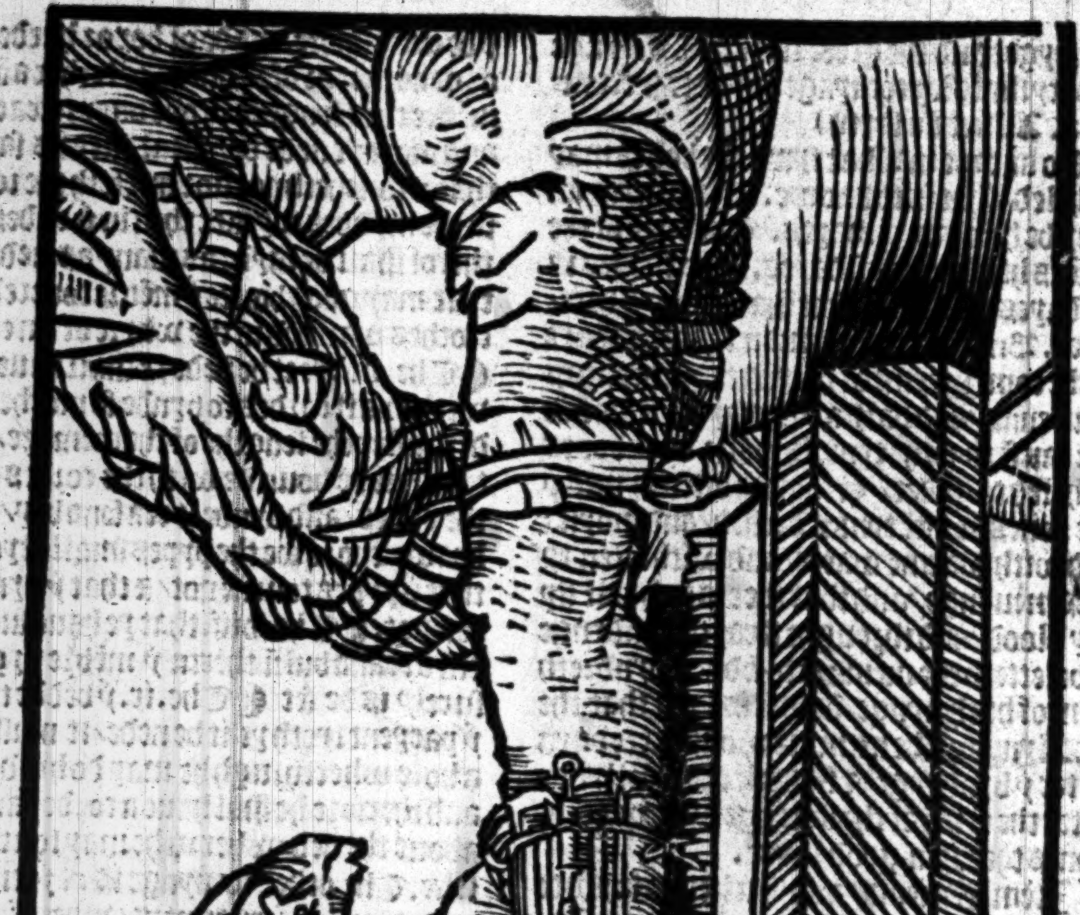
¶ Of all maner of fractures brekynge of bones in generall and howe they ſhall be ryghted and heled. Ca. lix.

Of the woūdes yͭ happeneth in yͤ ſofte mēbres I haue ſayd / as of the ſkyñe / fleſſhe / vaynes ſynewes / vnto yͤ bone So ſhall I wryte of yͤ harder dele / or partes of yͤ body. And of all yͭ is cut wͭ a ſworde / ⁊ yͭ the fleſſhe ⁊ the bone be throughe cut / that is called a woūde wͭ the fracture or brekyng. ⁊ yf yͤ bone be hurt wͭ no cuttynge inſtrumēt / but wͭ a clobbe / or ſtaffe / ſtone / or fallynge / or caſt / or by hym ſelfe / or by another / it is called a fracture or brekynge of yͤ bones. Sōtyme yͤ bone breketh ouertwharte yͭ in the fracture wͭ the brekynge is no ſmal peces of the bone / ⁊ yͭ comenly is called a fracture. ⁊ somtyme yͤ bone is beten ⁊ hurte / ⁊ is vneuen brokē wͭ ſplenters yͭ one pece or many peces depteth from other / yͭ is called fruſtralis / or yͤ bone broken wͭ peces. Somtyme it is not brokē ouertwhart / nor wͭ peces / but it is rente in length / then it is called Apertura or rente. The token of yͤ fracture or brekynge / yf it be in brede or in length / It is knowen wel ynoughe by the ſyght ⁊ by vnderſtādynge / as haly abbas ⁊ Lāfrā. ſayth / ⁊ can ye not ſe yͤ fracture / ye ſhall know thrugh felynge wͭ your hāde on yͤ bone (as Raſis ⁊ Auicē. ſayth) ¶ The payne of the bone as it is towchyd / ⁊ the feblenes therof is a token of the fracture. And as ther is in yͤ fracture ſplentes or peces / then ye ſhall fele by the peces about yͤ fracture ⁊ it wyl prycke in yͤ fleſſhe ⁊ the pacyent feleth the pryckynge ouer the place of the fracture / ⁊ mooſt whā you towche it with your hande. ¶ The fracture or ryuyng that cometh in the length of yͤ bone is worſer to be knowen than the fracture yͭ cometh ouertwharte yͤ bone / but it is knowen for yͤ membre is greter and thycker / ⁊ that the pacient with yͤ membre may not labour as he hath done before tymes. That bone yͭ is ouertwhart broken in .ii. peces yͭ is more peryllous to bynde and to holde / than is the bone that is broken or rentē in yͤ length. Therfore as ſuche a fracture is heled it is altymes vneuē and croked / pryncypally as the fracture is in a bone yͭ ſtandeth alone with none other ſtandyng ther by / lyke as the formeſt bone in the arme / and in yͤ ſhynnes. ¶ The fracture by the ioyntes it is the heuyeſt ⁊ the worſt to bynde / And yt can not well be bounden for there cometh often tymes grete payne in the meuynge / ⁊ hardneth the fracture with payne and marrynge of the fleſſhe / And yf it haue moche moyſtnes it is euyll / bycauſe he can not be holpē for the tyme yͭ fayntnes muſt be fyrſt amended. ¶ The fracture with a wounde hathe a ſondry cure / ⁊ ye muſt make holes in the bande / through the whyche it may be heled where as nede is. ¶ Whan ony fracture is longe vnbounde it is dredfull and yͤ worſe. ¶ And yf the fracture ware harde / than is it the worſe to ſet togyder / and therfore it is nedefull to haue a greate ſtronge byndynge/ and the grete ſtronge byndynge is peryllous for comynge ony hete ⁊ crampe (as Auicenna ſayth)

¶ To knowe in what tyme the bones may be heled/ that is to knowe. The braynpan may be heled in .xl. dayes. The bone of the noſe is heled in .xiiij. dayes. The rybbes in .xx. dayes, and ſo forth it ſhall be ſayd hereafter. But the age of a man taketh awaye ſuche comely tyme of helynge. Jamericus Auicenna/ and haly abbas ſayth/ what is the cauſe that the tyme is longe or yͤ bones be heled togyder/ It cometh often tymes yͤ the bones be oftē tymes dreſſed/ and moyſtned with warme water/ and with often tymes meuynge/ and that ther is to lytell ſlymy blood/ and throughe ſtrayte byndynge it beletteth the membre to fede/ ⁊ hyndreth hym of his helynge. And it is ſayd that the ſwellynge of the membre wͭout grete payn after yͤ byndynge/ ⁊ ſlaketh the ſwellynge after the tyme of the ſettynge agayne of the bones that is a good token.

¶ Item Galienus and Auicenna ſayth to this fracture is .iiij. dyuers maners of helynge and byndynge/ The fyrſt the broken bone to be made euen/ The other ſet togyder agayne yͤ bone that is made euen. The .iij. is the byndynge wͭ the hole/ The .iiij. to amende yͤ yll accidēte. And in yͤ fyrſt I wyl gyue you that whiche is nedful to this worke/ fyrſt is that all thynge be redy to the ſettynge in agayne. The other lernynge is to haue a comely place/ ⁊ a comely ſeruaunt. The .iij. is the white of an egge/ ſo moche as it is Inough/ ⁊ oyle of roſes/ and depte therin a cloth/ after the gretnes of yͤ mēbre. The .iiij. thre bandes longe and brode after the mēbre. The .v. is towe that is ſofte and wel heccled/ depte in ocicrata ⁊ wrōge out agayne (As Ra. ſayeth) The .vi. ſplētes yͤ be euē ⁊ ſmote/ made of box or harde wood or of horne/ or of yron/ or of lether after the mēbre thre fyngers brode ouer yͤ fracture/ and more yf nede be/ as albucaſis ſayth/ ⁊ that it toucheth not nor hurteth the ioyntes in the myddes thycker then in yͤ endes/ and therof ſhall be layde as many as nede is/ ⁊ that may goo aboute yͤ mēbre couered with clothes waſſhed in the whyte of an egge.

¶ The .vij. yf it be nede ye ſhall haue pypes with ſmall cordes to bynde ſo moche as nedeth after the length of the membre/ yͤ ſplētes ſhall be bounde with the cordes ⁊ with the pypes/ and bynde it reaſonably/ ⁊ after drawe thorowe the pypes ſmall ſtyckes ſo that yͤ pypes tourne not/ ⁊ that yͤ byndynge loſe not. ¶ The .viij. that ye haue ſuſpenſorīū or canabulū therin yͤ mēbre ryght and ſurely is be ſet ¶ The .ix. yͤ bedde there as yͤ pacyent lyeth yf it be nede/ it muſte haue a hole wherthrugh he may do his draught and therfore he ſhal haue a corde hangynge aboue the bed/ wherwͭ he may tourne ſelfe. The other lernynge is of yͤ makynge euen with .ij. ſeruauntes/ wherof the one ſhall holde ⁊ drawe the mēbre at one ende. and the other ſeruaūt ſhall holde/ ⁊ drawe at the other ende vpryght that it breke not/ and yf they maye not drawe it alyke with theyr handes/ ⁊ the broken mēbre ſtretche out/ ye ſhall take a gyrdell made therfore/ or ony other thynge (As Ipocras ſayd) but it were very good to haue a vyce made therfore/ that the bone myght be preſerued tyll the mēbre be bounde/ and the facyon of this ſame vyce ſtandeth here in pycture



¶ The.iij. lernynge that the holdynge of yͤ membre whiche is with byndynge and gaderynge togyder/ it ſhall be done ſoftely wout ony payne. Galienus ſayth/ they that bynde/ ſhall choſe the beſte maner that therto belongeth/ that the leſſer payne maye be/ for nothynge marreth ſo ſoone the membre as the payne dothe comynge of the ſtrayte byndynge/ and unreaſonable handelynde/ Therfore marke well (that Guydo ſayth) And in lyke wyſe I alſo haue ſene many mēbres that hath bene euyll gyded with eſtiomena ⁊ rottynge/ Therof Raſys gyueth warnynge to the ſurgean for the byndynge that is loſe bounde it holdeth not the bone/ and the harde byndynge bryngeth payne/ and letteth foode to come to the membres/ and the byndynge up muſt be as the pacyēt may ſuffre with eaſe (as Raſys ſayth).

Ipocras cōmaundeth to take.iij. bandes. And the fyrſt bande goynge upwarde from the fracture whyche letteth the comynge downe of the matter. The other bande is from the ſame place goynge downewarde and that threſteth the matter out/ and theſe twoo bandes kepeth togyder the broken bone/ and defendeth that none impoſtumacyon come therto/ but that is not ynowe/ for yͤ thyrde bande muſt be put therto/ whiche is bounde for the kepe the plumacyoles to cloſe it withall. Galienus cōmaundeth to take Acerotum/ wherfore nowe is takē oyle of roſes. Alſo Raſys counſayleth that the fracture at the fyrſte begynnynge ſhall not be boūde to faſt tyll the.vij. daye. And on the.vij. daye. it ſhall be bounde metely ſtrayte/ and in the fyrſte and the laſte ende bynde it not to faſte for fere of impoſtumacyon. ¶ The.iiij. lernynge is that in the begynnyng ſhall be layde good euen ſplentes or other thynges in theyr ſtede/ not for to ſtrayne yͤ membre/ but alonely for to kepe it unto the ſeuenth daye ende/ for feare that no impoſtumacyon come therto/ than ſhall you lay theron good ſtronge ſplentes/ that yͤ membre may be holde faſt/ and at yͤ fyrſt tyme I take the goode ſplentes/ and bynde them ſomwhat loſe/ that no ſwellynge nor impoſtumacyon come therto/ And alſo do ſo to the laſt tyll it be well ſtrengthed/ and be not haſty to take of the ſplentes (as Auycenna ſayth in his boke of Sargery.

¶ The.v. lernyng and doctryne is of the tyme of chaūgynge or byndynge/ or dreſſyng The chaungynge ſhall not be done before the.x.xv. or.xx. day/ pryncypally as yͤ byndynge is dreſſyd with the oyle aforeſayde/ And yf the fracture be not well and ryghte ſet/ or ony ſtronge accydente cometh therin the ſooner it muſt be dreſſed. And yf ye dreſſe the byndynge with the powder as I ſhal lerne you/ ſo leue the byndynge theron yͤ.ix. or.x. day. and longe abydyng in ſuche a byndynge without chaungyng it is euyll (as Raſys ſayth) But yf ye were in feare yͭ it is not wel and ryght ſet/ thā may ye chaunge the byndynge in.vij. dayes. and ſomtyme ſooner. and ye ſhall ſomtyme chaunge yͤ byndyng.in.x. dayes. for cauſe than is yet there not come the porus. and is than there ony uneuen than make it euen yͭ it not prycketh nor ſtytchyd in the fracture.

¶ If payne/ or impoſtumacyon/ or other yll accydentes cometh therto/ than may ye chaunge it at the.iij. daye. But in other cauſys ſhall it not be chaunged nor loſyd up before the.vij. daye. but yf yͤ matter muſt be clenſyd than ye may the ſooner chaunge the byndynge and dreſſynge of the ſame.

¶ The.vj. doctryne and lernynge is this

Irritacyons of the porus / ⁊ it growe that the .x. day / and when it is comen ye ſhall ſtrength hym with mete and drynke / and Galienus ſayth the body ſ. de ẇ mete wher in is grete moyſtnes / therof cometh not onely good / but alſo ſlymy moyſtnes / ⁊ ther of and therout cometh that coglutinatiuum that is helynge to gyder (as Auicenna ſayth lyke as rys pappe whete / ſodden heedes / ⁊ fetes of beeſtes / and refrayne wyne. He ſhall beware hym for all thynges that brenneth the blood / as ſtronge wyne / garlyke / onyons / muſtarde / and well ſmellynge ſpyces. And Raſys ſayth / in the begynnynge ſhall he chaūge his rulynge / in drynkynge no wyne / and in goyng to chambre / and in lettynge blood / and therẇ ſhall be letteth the impoſtumacyon. and as he is ſure of the impoſtume than may he returne agayne to his olde rule. In the fyrſt retourne agayn to the makynge euen of the bones with drawynge out the membre ſtreyght / and lyfte vp the bone that is preſſed downe / ⁊ threſte downe ẏ other bone that ſtandeth on hyght and do it without payne / vnto the tyme the bones be knyt togyder in hys ryght place.

The other lernynge is to be done ẇ a good byndynge as many mayſter ſayth / and ſom bynde the fracture euen ẇout ſplentes vnto the fyfthe or ſyxte day / ſom layeth with plumacyoles of clowtes (as mayſter Petrus) ſom of tow (as Theodoric?) and they bynde ther vpon the ſplentes / and theſe bothe doth harme / for the plumacyoles ſholde be ſo many that there ſholde be no faſte byndynge and in a ſlyppe myght the membre be hurte And Guydo foloweth after ẏ ſayd lernyng And at the fyrſt do that ẏ payne may be put away and kepynge alſo the membre. The ſeconde in kepynge that the porus or cōglutinatiuum groweth about the fracture.

The thyrde / that in kepynge the membre ſhal be ſtretched ⁊ brought agayn in his olde workynge. ¶ Alſo ther is .iiii. maners for to hele ⁊ bynde this fracture. The fyrſt as the fracture is ouert ẇ harte / and yf ther be no ſmall peces of bones to take out / than ſhall the fracture and wounded membre be ſtretched out and holde by your ſeruauntes and to ſet ryght the broke bones and do after the rule as I ſhall lerne you / yf there be ony ſmalle peces departed fro the bone ẏ ſtycke in the fleſſhe and is hangynge on the bone ſet them in theyr fyrſt place and bynde them well togyder / make the ſmall bones in the muſcles payne and cauſe them to folowe the impoſtumacyon / than it is nede to cut the fleſſhe on that place and take out the loſe bones and than to make ẏ mēbre hole as I ſhall lerne you / yf the fleſſhe be bruſed with the fracture of the bone / then ſhall the bone be bounde with oyle of roſes and ſhall lay on the powder of myrtylle beryes / and ouer the oyle and powder ye ſhall lay a cloth depte in the whyte of egges ⁊ oyle of roſes ⁊ bynde it ſoftely / If ẏ fracture be without payne / and without ſmall peces of bones ⁊ is well ſtreyghtened / ſo ſhall you bynde it with a longe brode bande after ẏ dretnes of ẏ membre without beynge longe of doyng And your ſeruaunt muſt holde the membre whyle ẏ clowtes be layde bytwene (as Galienus is wonte to do (the clowtes may not be to cowrſe for ẏ letteth the good byndyng and the ſame clowtes ſholde be depte in the whyte of egges medled in oyle of roſes / and begyn to bynde vp ẏ fracture ẇ the bande goyng vp and downe / and let ẏ bande goo throughe on the hole part / and vpon the fracture bynde euen without payne / and vpon ẏ bande ſhall be layde .ii. double clowtes depte and wronge out agayne / and ſhall ca uer the hole membre and that the endes of yͤ ſplentis hurte not the membre/ ⁊ ſowe then the clothe about and thervpon lay the ſplentes made of wood or of ledder ⁊ then bynde it wᵗ pypes/ then ſhall the pacyent be layde in a ſtyl place where he may haue reſt/ and yf it be nedefull ye ſhall let yͤ pacyent blood the other day/ and gyue hym a laxatyue in the fyrſt dayes/ and the byndynge ſhall not be chaunged in .x. or .xv. dayes/ without were ony euyll accydent comynge therto/ or that the fracture be not ſet well to gyder as is aforeſayde/ and after the .iii. and .iiii. day yͤ fracture ſhall be dreſſed/ and bounde as it was before. And yf the tyme be hote ⁊ there come a ſwellynge/ or impoſtumacyō or ony other/ ye ſhall occupy the oyle aforeſayd/ and yf he be ſure of the euyll accedent than ſhall ye make this powder/ wherof J haue often ſene grete profyte come.

❡ A powder.

Take bol. armen./ ambra or walderote/ of eche .iiii. ounces/ ſmall barlye mele .vi. ounces/ medled all to gyder. And J was wonte to do therto walſtone .iii. ounces/ ⁊ they be brought out of Zwytſelonde/ or ex prouincia Heluetiarum.

Nota

❡ J haue ſene a herbe a ſurgean made his booſte to hele in .viii. dayes a parſoue that hathe broken his legge or arme. And thys to proue a dogges legge was broken/ than medled he this powder aforſayd with yͤ whyte of an egge/ and layde it on te dogges legge and ſplented it/ and as yͤ .viii. dayes were paſt/ than toke he the ſplentes of/ and the dogges legge was hole. Terfore this is my counſayle to take this ſtore for this cure. that powder hathe ſuch nature/ yf there come ony ſwellynge to the bone at the fyrſt tyme ſo gothe the ſwellynge ſhortly awaye with the ſayd powder. The other maner is that after the .xii. or .xv. daies as porus begynne to come/ that is to knowe whan the payne is gone/ and ther come none impoſtumacyon/ and yͤ membre is of good colour/ than ſhall ye take of the bande/ and waſſhe the membre in warme water ⁊ lay thervpō a clothe ſtryken/ and bynde it with all the bandes and ſplentes aforeſayd/ and bynde it ſomwhat faſter. The fracture ſhalbe ſalued and dreſſed the .vii. or .ix. day. or more vnto the tyme that the bone be well bounde with that porus that is well knowē by meuynge and by the vnſwellynge. The .iii. maner is that the membre ſhall be waſſhed all thre dayes with good wyne wherein is ſodden roſes/ wormode or abſcintium in latyne/ oken woode/ and bounde with towe dept in yͤ ſame wyne and preſſyd out aga[illegible] and bounde with .iii. or .iiii. ſplentes/ than ſhall the membre be brought by lytell and lytell to his olde workynge/ and at the laſt ſhall the membre be made ſofte with Dyalthea/ or oxicrocium. ❡ The fourth maner is when the accydente is comynge/ lyke yf ther were payne or impoſtumacyon/ and yf the payne or impoſtumacyon be grete/ that take away or it be boūde wᵗ the longe band that therto belongeth. And yf it were well bounde after his belongynge/ and ther com an impoſtumacyō or an vnreaſonable payne/ therwith is the ſurgean cōpelled yͤ membre to open and to vnbynde/ and to amende the accydent/ and to helpe the nature. And that membre ſhall be ſtyll vnbounde tyll yͤ tyme the accydent and payne be takē away

Therfore muſt ye take awey ẏ the payne (as Lanfrãc⁹ ſayth) wͭ the saluyng of warme oyle of roſes. Oꝛ (as Guido ſayth) wͭ wolle depte in oyle of roſes ⁊ venegre / and layde therouer. And yf ther com ſcabbes oꝛ itchynge / than loſe yͤ byndynge / and make yͤ bone moyſt with warme water wherin is ſoddẽ a lytel ſalt ⁊ that membꝛe therwͭ embꝛoced and dꝛoppe with the water from aboue on the membꝛe Oꝛ ſalue the membꝛe with vnguentum album / oꝛ populeum as is afoꝛe ſayth. When all the accydentes is taken away thã tourne agayne to the byndyng of the membꝛe. ¶ If ther be a wounde wherein be ſmal peces of bones they muſt be takẽ out / and hele the woũde as I haue ſayd in the chaptre of bꝛoken bones. And after goo to the helynge as is afoꝛeſayd. As the matter cometh out / make an hole in the bande / wher thꝛough the wounde may be clenſed.

¶ Of the bꝛekyng of the noſe. Ca. lx.

Manytymes is the bone of yͤ noſe bꝛokẽ / ⁊ ſomtyme beten flat / to whyche bꝛekynge as therto betymes is takẽ hede it may be holpen at his fyꝛſt pꝛopoꝛcyõ but as it not be done betymes / it wyll be ſo euery moꝛe ſtyll. Therfoꝛe it is nedefull foꝛ the wounde of yͤ noſe ſhoꝛtely to be taken hede to / and to be ſet in his ſtede. Therfoꝛ ryghte it anone / foꝛ yf it become harde / that dothe the pacyent grete payne as it ſhall be ryghted agayn. And ye muſt ryght the noſe after this maner.

Take your foꝛe fynger of your lyfte hande oꝛ your lytell fynger and put it in his noſe / and with your ryght hande thꝛeſt vp yͤ fracture / and lyfte vp with your foꝛefynger the noſe and ſet the bone in agayne in his ryght place / ⁊ whẽ ye haue made it euen / ye ſhall make a wyeke of ware and medle therin a lytell powder of maſtick / and dꝛagõs blode made in ſmall powder / and thys wyeke muſt be made lyke a candell and put it in yͤ noſe. Wylhelm⁹ placentin⁹ maketh an harde wyeke oꝛ tente of towe depte in oyle of roſes / ⁊ caſt theron this powder made thus.

¶ A Powder.

Take Bolus armenus. ii. ounces. Myrtillozum. iiii. ounces. Dꝛagons blood / Dꝛagantum / Gommy arabici / of eche halfe an ounce. and take clowtes / and plumacioles depte in whyt of egges / ⁊ the powder ſtrawed therupon / and laye it pꝛoperly after yͤ fourme of yͤ noſe / as I haue lerned you in the chaptre of the woundẽ in the face. ¶ If ye can not put the fynger in yͤ noſe / then make a tente of wood couered wyth olde lynne clothe depte in oyle of roſes and put it in to the noſe / and therwith thꝛeſt vpwarde in to yͤ noſe / and with your other hande thꝛeſt downward vnto yͤ tyme yͤ bone be bꝛoughte in to his ryght place agayne / than dꝛeſſe it with the whyte of an egge / and with that powder as is befoꝛe ſayd / and about yͤ place ſtryke that defenſyue of bolo armeno and oyle of roſes / and a lytell vynagre mydled with yͤ ſap of nyghtſhawd oꝛ of ſolatrũ in latyne. and do thys euery day. ¶ And whã ye ſhall dꝛeſſe this noſe / fyꝛſt let hym blood on the hande / oꝛ with boxces on the ſhulder oꝛ with garſſynge / and with dꝛawght goynge / with ſuppoſytoꝛia oꝛ glyſters / and yͤ ſhall lyghten the pacyent ſoꝛe. And as you dꝛeſſe hym the ſeconde tyme renewe yͤ tente with oyle of roſes and with the aforeſayde powder/ And vpon the noſe lay the forſayd powder of dragantũ mydled wͭ the whyte of an egge and dreſſe the noſe therwyth at the .iii. or .iiii. daye. ¶ And yf the fracture or brekynge of yͤ noſe is ſore wounded/ ſowe the ſkynne togyder as I haue ſayde in the chaptre of the wounde of the noſe. And lay the powder vpon yͤ wounde/ and hele it as in the chaptre aforeſayd. ⁊ dreſſe the wounde euery day twyſe/ and rule hym with mete and drynke/ ⁊ pryncypally he ſhall drynk reed wyne mydled with water.

¶ Of the brekynge ⁊ fracture of the brayn pan I haue ſayd in the chaptre of the woundes in the heed.

Of the brekynge of the Jawbone ⁊ tethes.

Ca. lxj.

As the chekebone is broken/ ye ſhall take your fynger of yͤ lyfte hande and ſet it vnder yͤ mowthe of the pacyent ⁊ ſet yͤ cheke bone euen ryghte to gyder wͭ your ryght hande ⁊ you ſhall knowe when they ſtande euen/ that is as the ſyke tethes ſtande euen lyke yͤ other hole tethes. Then take a ſylke threde, v. or. vi. dobble well waxed/ or take a copper wyer yͭ hathe ben deneled in the fyre/ and or it be colde throughe brayde the tethes togyder in lyke wyſe as the pycture ſheweth.

John [illegible]

¶ And after that take powder as hereafter foloweth medled with yͤ whyte of an egge/ and ſtryke it vpon a clothe lyke a plaſter ⁊ bynde it as is aforeſayd in the chaptre of yͤ wounde in the chekebone. Or lay plumacioles with double folde lynnen clothe/ and thervpõ lay ſplentes made of ledder. Then ſhall you bynde it with one bande/ begynnynge behynde the necke and comynge on yͤ cheke/ and agayn vnder the eeres behynde yͤ heed/ and ſo bynde it aboute the forehede/ and yf it be nedefull wynde it often aboute in the ſame maner tyll yͤ bande be made faſt. And the powder is made thus.

¶ A Powder.

Take Mumie/ Maſticke/ Boli armeni/ Dragantum/ Gõmi arabici/ of eche a ounce. and made of theſe a powder/ and ſhortly let them bloode/ or boxe them garſynge bytwene his ſhoulders. And holde the rule of his draught goynge with ſuppoſitor or euery day/ ⁊ ſtryke about the fracture euery daye the defenſyuum. and his mete ſhall be bere ⁊ brede/ or wortes/ or thyn pappe tyll he be ſtronge/ ⁊ ſhall drynke barly water/ and after that reed wyne. And yͤ tyme of helynge is .xx. dayes (as Auicenna/ and Albucaſys ſayth) ¶ If there be ony wounde to be ſowed/ and the tethe to be ſet togyder, ye muſt do in all maner as I haue ſayde in the chaptre of the wounde of the cheke. and the bande ſo bounde that doth no harme to the tethe. And he muſt euery day take hede to the wounde. And euery thyrde day he muſt take hede to the tethes/ ⁊ to yͤ bandes.

¶ Of the brekyng of the necke and backe bone. Ca.lxij.

Paulus Auicenna & Haly abbas ſayth/ In the ſpondyles or backebone commeth ſeldome fracture or brekynge/ but of ſtronge ſtrokes are ſore bruſed: & that is deedly/ & therfore ſumtyme folowyng after ye euyll folowyng and accydent and burnynge of nucha or mary of ye backebone yt cometh from ye brayne dounwarde throughe the backebone/ for the brayne maye not ſuffice. Therfore ſayth Paulus Haly abbas & Albucaſys/ what accydente or payne cometh to nucha and to the ſpondeles/ that bryngeth paraliſis of the handes as it is in the uppermooſt parte of ye ſpondyles. But yf the payne be in the nether ſpondyles ſo cometh the paraliſys in ye foote (as Albucaſys ſayth) As ye ſe the pacyente may not goo to the draught nor pyſſe as he wolde/ it is deedly (as Albuca. ſayth) therfore ye ſhal not take that in cure. ¶ If there be no ſuche accydente than take it in cure & take away the impoſtumacyon and payne. ye ſhall ſalue the hole backe about the fracture. And ye ſhall let them blood ſhortely on the hande nere the thombe/ & afterward ſet with your hande the bones and knottes of the backebone as well as ye can/ and on the fracture lay this plaſter folowynge.

¶ A Plaſter.

Take Cyſer meele/ or Benemeele/ or myllett meele .xii. ounces. Maſtyck/ Dragantum/ Gũmi arabici/ of eche .ii. oũces. Mummie/ Bol armeni/ of eche an ounce. & put them togyder and make it lyke a plaſter/ & after that ſalue the fracture rounde about with defenſyuũ withoute vynegre/ & dreſſe hym euery thyrde day. And the pacyent ſhall lye on his one ſyde/ or on hys belly/ & rule hym in goynge to the draught. ¶ If there be a wounde wyth a grete fracture it is deedly. neuertheles ſowe it. And yf there be ony bones deuyded/ take them hole. And lay on the ſame this powder folowynge.

¶ A Powder.

Take Dragons blood/ Maſtycke/ Dragantum/ Gũmi arabici/ Mummie of eche an oũ. therof make fyne powder. And ouer that powder lay this plaſter folowynge.

¶ A Plaſter.

Take Maſtiche/ Dragantum/ Dragons blood/ Gũmi arabici of eche an ounce. Cumyne .ii. ounces. Roſe hony .xii. oũces. Barly meele .vi. ounces. medle all theſe to gyder and lay on the wounde/ and about the wounde that defenſyuũ/ and do it ſo longe tyll the bone be well faſtened. And ordre hym well in goynge to the draught/ And dyet hym with mete and drynke as it is nede.

¶ Of the brekyng of the forked bone/ and ſhoulder. Ca.lxiij.

The fracture or brekynge of ye forked bone is ſomtyme inwarde and ſomtyme outwarde & ſomtyme euen/ neuertheles it is broken/ The fracture that ſtandeth inwarde and euen/ it is eaſy to be dreſſed downwarde/ & as ye one bone goeth inwarde/ and the other outwarde/ that is harde to ſet in agayne. And is there no bone bowed inwarde/ ſo ſhall you ſtretche ẏ arme vp on hyghe/ and ſet the one bone vpon the other/ ⁊ ſo make them euen/ than ſhall you dreſſe hym with this folowynge.

¶ A playſter.

Take the whyte of egges/ myrtylles/ bene mele/ barly mele/ bolus armenus/ made in ſmall powder/ and myngle them togyder/ lyke a playſter/ and lay it ther vnder in a lynen/ and ye ſhall kepe it lyke as therto belongeth/ or with plumaceoles depe in ẏ whyte of egges/ and as he is well bounde and beſtowed/ ſo ſhal ye make hym an harde cuſſhyn or a bolſter of clowtes/ and bynde hym vnder the arme as hyghe as it may be/ and hange the arme in a towell on his necke. And let ẏ byndynge lye tyl ẏ .iii. or .v. daye/ ⁊ than to ẏ .viii. daye .v. or .vi. weke longe/ than dreſſe hym euery day/ ⁊ at ẏ laſt lay therupon an oxycroceum.

¶ If the fracture be thereby in/ than it is nedefull that your ſeruaunt holde vp ẏ arme of the pacyent w the hole of the arme ſtretchynge out/ and another ſeruaunt ſhall pull agaynſt hym to the hedwarde/ than ſhall ye ſet in that bone in his ſtede w your hande ⁊ after that bynde hym as I haue ſayde/ or with plumaceoles of towe or clowtes depe in the whyte of an egge ſtrayned therupon this powder folowynge.

¶ A powder.

Take Boliarmeni .ii. ounces. Myrtle. Maſticke. Dragantum. Gūmi arabici/ of eche an ounce. than take the clothe depe in the whyte of an egge ⁊ ſtrawe it with the powder aforeſayd. Than cut a lether in lenthe of the bone/ and bynde the bone togyder w the forſayd depe clothe/ or plumaceoles/ lether/ and powder/ and let the byndynge lye on .iii. dayes. Than let hym blood in ẏ hande/ and rule hym in his goynge to the ſtole/ and ſtryke about the wounde that defenſiue as is aforeſayd. He ſhall drynke barly water/ and ete ſuche meates to make the bones ſtronge/ as is hogges fete well ſodden/ and pap of ſtarche/ for the moyſtnes of the ſtarche maketh the bones harde/ and for all broken bones ſuche mete is good. ¶ If the fracture or breakynge is with a wounde than bynde the bone as I haue ſayd before/ and loke ẏ wounde in ſuche maner that you maye loſe to the wounde at euery daye without hurtynge of the bone that is ſet in agayne/ for fere of departynge out agayne. And lay on the wounde the foreſayde powder. And the bones that thus is ſet agayn/ muſt euery .iii. dayes be dreſſed ones/ and the wounde euery dayes. and afterwarde lay in the wounde roſe hony with this forenamed powder to clenſe the wounde/ and as it is clenſed than hele it as another wounde. And euery daye aboute ẏ wounde ſtryke the defenſiue/ vntyl that ye be aſſured of the impoſtumacyon/ let hym blood/ and cauſe hym to go to ẏ ſtole. And as he is ſtronge gyue hym reed wyne medled with barly water/ ⁊ his mete ſhall be powdre fleſſhe/ for therof cometh moche moyſtnes that ẏ bones holde togyder. lyke hogges fete/ partryches/ feſauntes/ capōs/ hennes/ and other lyke.

¶ Of the brekyng of the ſhulder. Ca. lxiiii.

If the ſhoulder be broken ye ſhall ſet your ſeruaunt to holde the pacyent/ thã ſhall you with your one hande take the fracture/ ⁊ with the other hande holde the ſhulder/ bone/ and drawe ẏ bones to gyder that they may come euen/ and lay vpon the fracture the plaſter the whyche I haue lerned you before. And about the place lay the defenſiuũ/ ouer the plaſter of .iiii. folde lynnen clothe/ ⁊ lay ouer that a lytel lyne towe and than ſplentes made of lether ⁊ of wyllowe wood in the greenes after the ſhulder bone/ and ouer the ſplentes towe dept/ and bynde them well/ and ordre them in goyng to the drawght/ ⁊ dreſſe them at euery .iii. dayes ones/ ⁊ as ẏ bones be well faſteneth ſalue them with dyalthea/ or with a ſalue that I ſhall hereafter wryte in the chaptre of the brekynge of the rybbes. And ẏ tyme of faſtenynge of that ſhoulder bone is .xx. dayes (as Albucaſis ſayth)

¶ Of the brekyng of the bone aboue the elbowe. Ca. lxv.

The hygheſte pype of the arme is called Adiutoriũ/ it is ſomtyme brokẽ ouerthwart/ ſomtyme a length/ and ſomtyme nyghe by the ioynte/ and that is euyll to hele. Therfore I wyll gyue you the lernynge and maner how ye ſhall euery fracture and brekynge handell and helpe.

¶ The fyrſt ye ſhall haue .ii. ſeruauntes. ẏ one ſhall holde the pacyent aboue the arme nere the ſhoulder. and the other by the handes and on the elbowe/ and byd hym drawe it out by lytell and lytell/ and holde the pacient ſo faſt that he ſtyre not his arme. After that take with bothe your handes ẏ vppermooſt pype nyghe by the elbowe an euen ⁊ ſoftely on all ſydes tyll that ye here the bone crake. and that ye ſe the bowynge of the arme euen. And whan ye knowe the fracture/ fyrſt ye ſhall take the powder in the .lix. chaptre. ẏ is made of wallſtone/ wallrote/ or ambra in latyn. ⁊c. and the whyte of egges/ bãdes/ ſplentes/ pypes/ nedles/ ⁊ oyle of roſes/ and all that is nedefull. And whã you haue all your gere redy/ and yf the vpper parte of the arme be broken/ ſet hym in a chayre. And yf it be in the legge/ lay ẏ pacyent on a playne table/ and one of your ſeruãtes to holde hym ouer his bely/ ẏ other ſeruaunte to holde by the ſhoulder/ and the thyrde to holde by the arme vnder ẏ elbow and byd hym holde faſt tyll ye commaunde hym to pull. Then take that powder afore ſayd in the .lix. chaptre. ſo moche tyll ye haue ynough/ and mydle it wᵗ whyte of egges and doo therto alume as greate as a wallnotte/ and ſtyrre it well to gyder lyke pappe. Then take .ii. folde of lynnen clothe and let it be ſo brode that it may come aboue ⁊ vnder ẏ fracture a quarter brode that is to gyder halfe a yarde/ and after that the pacyẽt be grete or lytell/ and that ſame cloth ſhall be a yarde longe in ẏ maner as I haue wrytten of the brodnes. The clothe muſt be well ſtryken on the one ſyde with the ſalue/ and layde on a banke. And ye muſt haue a roll bounde of .ii. fadume longe/ ⁊ a fynger brode/ and that muſt be rolled vp/ ⁊ be ſtrykẽ a yarde longe wᵗ the forenamed thynges/ ⁊ lay it by the other ſalued bande. And after that ye ſhal take good ſplentes ⁊ thynne as

I haue before wrytẽ / & they muſt be bounde with ſmall cordes aboue / in the myddes / & alſo benethe / and as ye wyl lace a doubled of ſom mannys / ſo ſhall ye lace the ſplentes that the cordes maye come without on the ſplentes / and let the ſplentes lye alſo nere the cloth / ye ſhall haue alſo .iii. ſtronge pypes of gooſe legges / or of elder pypes / and eche pype bounde with a ſtronge ſmall corde an euen ſtycke goth troughe the pypes / and as all this is redy / than cōmaunde yͤ other ſeruaūt that holdeth the arme by the elbowe or legge hande or foote / that he properly & ſtylly pull / and in the pullynge ſet the bone euen agayne and vpon the other / and take hede that yͤ knee / or elbowe / hāde / or foote ſtande vp ryght / and you with your flat hāde ouer the fracture ſtryke ſo that ye about nor vnder fele none vneuen place / then ſhal ye loke yf yͤ arme or lege be a ſtrawe brede longer then the hole arme or legge is / yf not it is ryght / I haue ſene a good mayſter yͭ / bounde a pacyent thynkynge that yͤ broken legge was longer than the hole legge / & he bounde hym ſo / when he had layde hym in his bed the legge was very ſhorte / then he asked me how that myght be / I ſayd / you haue not layde yͤ pacyēt euen & hye ynoughe to hys hyppes whiche hath dyſceyued you / therfore take hede whan ye bynde them lay them longe on the borde and ſtretche them out / and whan he is ſo layde / then ſhal you ſe yf the ſhynnes be croked or not / and whē you haue all thynges well marked / and all youre gere is redy by you / ſo byd youre ſeruauntes that they at all tymes holde faſt / & be ware of ſhakynge as it is poſſyble / then after that do about the bone the ſtrykynge cloth / and lay it euen without wrymplyng after that take the rolle bande / and the laſt the ſmall cordes with the pypes / & as ſoone as that is done / than tourne yͤ vppermooſt pype and threſt that ſtycke thorowe / then tourne the other pype / & after yͤ thyrde pype ye ſhall knowe that the myddell pype ouer yͤ fracture muſt ſtronglyſt be tourned / for tourne ye yͤ vttermooſt pype harde / and the myddelmooſt not harde for ſo ſhold yͤ blood renne vnder the byndynge and make the ſooner an impoſtumacyō & ſwellynge / therfor yͤ myddelmooſt pype ſhall fyrſt be bounde.

¶ Wyll ye knowe yf it be ryght bounde aboute the fracture or not / aſke the pacyent yf he haue ony payne in the bone or ſtyckynge in the fracture / If he ſay than that he hath none / & thynketh he ſholde theron well go / and that yet is the broken legge longer then the hole legge / that is a ſure token that the byndynge is very good / and yf yͤ ſhynne of yͤ legge be croked lyke a bowe and euen whā ye haue ſtryken ouer with your hande and ſo fulfyll the crokednes with the pluma cyoles or with a fylte that yͤ ſplentes may lye euen on / and yͤ armes or legges ſhall lye in a treus pype ſo as I haue lerned in the .ii. chapytre / and take hede that the arme lye that he may not loke in his hande / & yͤ legge that he may ſe the innerparte of the fete.

Take hede therfore in the byndynge / for I haue ſene therof moche harme

But the olde mayſters as Gwilhelmus / Lanfrancus ſayth. If ony arme be broken that ſhall ye knowe thus. Lay your one hande on the fracture & your other hande vnder yͤ fracture / & your ſeruaunt ſhall holde the pacyent by the arme and by the elbowe / & thā ſhall ye the arme properly meue as I haue ſayd before. And than ye may knowe whyther it be broken or not / and yf it be broken lay theron ſhortely this plaſter folowyng.

¶ A plaſter.

Take Mylſtuffe meele / or Cyetermeele / or

Dragagant

Bene mele/ or Barly mele. xii. ounces. Masticis/ Draganti/ Gummi arabici/ of eche. ii. ounc. Mumie/ Bol armeniac/ of eche one ounce. this all medled togyder wt the whyte of egges/ and therof make a plaster/ & stryke it vpon a lynnen clothe as I haue lerned before/ and that membre shall be stretched & bounde with splentes/ & cordes/ with pypis/ in all maner as I haue shewed you. ye must take hede that ye bynde not the membre to fast for therof cometh grete harme/ and the membre lost. And without taryage goode hele the pacyent is lyke to lose his lyfe. ¶ Also it is good to stryke the defensiuum aboute the arme or legge/ to defende the membre from all [illegible] that therto myght come.

¶ A defensiuum.

This defensiuum shall be made of Oyle of roses/ Bolo armeno/ Vynegre/ nyghtshed sappe or liquor solatri in latyn/ or sappe of houslecke/ And let the pacyent [illegible] the vayne bloode. And that he holde his gorynge to the drawght. and he must also bere his arme in a towell aboute his necke. and he may be heled in. xliiii. dayes. And yf there be ony broken bone in the wounde ye must take hede therto. Or yf there be ony bones departed in sondre that shal you soone take out as I haue lerned you in the chaptre of ye wounde in the armes. And some Surgean weneth that the pacyent sholde dye when ye mary cometh out of the bone/ that is not so. A good cause why/ for as ye fleshe groweth so groweth the mary. And after that ye sow the wounde/ and lay therto euery daye as I in the. xiiii. chaptre haue sayd. And you shall ordeyne them so that ye splentes couere not the wounde/ and vpon this wounde ye shall strawe euery daye this powder.

¶ A Powder.

Take Mastyke/ Gummy of araby/ of eche. iii. ounces/ Mumie/ dragons bloode of eche an ounce/ This powder hath ye power to hele and to make stronge the bones and to cause them to growe togyder/ and ouer this powder lay that vnguentum stipticum/ made of rose hony strayned. iiii. ounces/ Barly mele or myllehous dust mele. vi. ounces/ and of ye foresayd powder. iii. ounces/ & put them togyder/ and therof make a plaster and lay it euery daye to ye wounde/ & as the wounde is well clensed so shall ye hele it with a grene wounded plaster/ & with this powder made of cypres nuttes/ gall appeles/ myrtilles/ balaustes/ of eche. ii. ounces. made well in powder which causeth the fleshe to growe togyder and lay ouer it a grene wounded plaster.

¶ Of the brekyng of the arme bynethe the elbowe. Ca. lxvi.

In the nether parte of the arme is. ii. pypes/ so that it happeneth ye one is broken/ and somtyme bothe/ and somtyme it is bowed in the fleshe without brekynge. As wylhelmus placentinus sayth ye fracture of the vnderpype is wors then ye vpper pype (As auicenna sayth and albucasis also) & yf they be bothe brokẽ it is ye wors/ ye which ye may knowe by these sygnes. yf ye bones be broken then it cracked/ yf it is onely bowed then it cracked not. ¶ And yf bothe ye pypes be broken/ so must you haue. ii. seruantes ye one shall holde the pacyent by ye elbowe/ and the other by the hande and let the forehande hange downwarde to the grounde/ and as it ſhal be dreſſyd it ſhal not hange betwene. but do as I haue ſhewed before. Or ye begyn ye muſt haue all your gere redy that is nedeful as I haue aforeſayde. And as all is redy/ take the pacyent before you/ and commaunde your ſeruauntes to holde hym as is aforeſayd/ and ſet the bone with your hande ſobrely togyder in ẏ beſt maner that ye can/ and do not the pacient to moche payne in the ſettynge in of the bones/ bycauſe ẏ through ſuche payne al the moyſtnes ſhedeth in to the arme/ and ſo myght therof come moche harme/ wherby he ſholde be in peryll of deth And whan ye haue ſet the arme togyder after your beſt maner/ take a lõge brode bãde depte in oyle of roſes and threſt out agayne and bynde ẏ arme therwith/ and defende ẏ arme from moyſtnes and inpoſtumacyon/ and take away the grete payne. and after ẏ dreſſe hym as I haue aforſayd. ¶ The yonge pacyente that can not take hede to hym ſelf dreſſe hym with that powder and the whyt of egges as I haue aforeſayde. ¶ If the one pype is hole and the other is broke/ worke therin as they were bothe broke ſo as I haue aforeſayd/ then alone ye nede not to haue ſo many ſplentes. And when ye haue them wel dreſt let them take hede of blood lettynge/ and to the draught goynge. And after ẏ the arme ſhall be ſalued with the defenſiuũ that ye be ſure of the ſwellynge and of ẏ impoſtumacyon/ and hange the arme in a towell aboute his necke/ and make a borde ⁊ lay theron a cuſſhyn that the arme may theron reſt. ¶ If there be a wounde with ẏ fracture take hede that ẏ bone ſyt ryght agayn And yf there be ony bones departed take it ſone out/ and then make your ſplẽtes therafter/ and bynde it wel/ ſo that ye may ſe ẏ wounde/ and yf it be nede ſowe ẏ wounde/ and let the one ende be open wherthrough it may be clenſed. And lay on the ſame ẏ forſayd powder/ and the foreſayd mundificatiuum plaſter that I in the chapitre before haue lerned/ and do therabout the defenſiuũ/ and hele it as you hele another wounde/ as I haue lerned in the nexte chaptre. And ſo let rule them of mete and drynke/ ⁊ goynge to the draught/ as is aforeſayd.

¶ Of the brekyng of the fyngers/ or Joyntes.

Ca. lxvij.

IN the hande there is. iiij. bones. In euery fynger iij. bones. ⁊ for theyr ſmalnes and ſtrength they a. ſeldom broken. And yf it happen ẏ they breke/ take hede that ye ſet them togyder after the beſt maner ẏ you can. Albucaſis ſayth that ye ſhall ſtretche the hãde vpon the table/ and threſt it in agayn/ and ye ſhall lay therupon the plaſter aforeſayd in ẏ. lxv. chaptre. and in this brekinge is no nede to lay theron clothes wᵗ oyle of roſes/ but alonely the plaſters or the powder of malſtone/ as I haue ſayd in the. lix. chapytre myngled with the whyte of an egge/ lay the plaſter on bothe ſydes of ẏ hande/ and therupõ lay ſplentes and towe after the lengthe and brede of the hande/ ⁊ afterward bynde ẏ hãde wel after ẏ beſte maner/ ⁊ on ẏ hãde towe/ or an euẽ borde ẏ the. iiij. fyngers be togyder/ and ẏ palme of the hande/ and the fyngers ſhal be fylled w to wre or with ſome other thynge/ ⁊ bynde yͤ hande ſo yͭ the ſplentes may come to the half arme without and within/ and when that is done ſalue yͤ arme aboute with yͤ elbowe with the defencium as is afore ſayd/ then hange the arme in a towell or a cloth about his necke/ yf the fyngers be broken/ make yͤ ſplentes ſo longe as the fyngers and more yͭ it may come in yͤ myddes of the hande/ and bynde with yͤ plaſter as I haue lerned you in the chapytre of the uppermooſt pype of yͤ arme/ theſe bones ſhal be dreſſed euery .iii. day ones/ and at euery tyme ſhall ye ſalue it with defenciuum/ and let hym holde the rule of goynge to the draught/ ¶ And yf yͤ fracture be with a wounde/ then dreſſe the wounde euery day/ ⁊ lay there upon a cloth depte in oyle of roſes and lay therin yͤ powder of mynnie/ dragõs blod lyke as I haue lerned in yͤ .lxv. chapytre/ and lay therouer the ſame plaſter in the chapytre afore ſayd/ and I was wonte to take elder pypes/ and lay the fynger therin/ and it is very good yͭ ye bynde the hole fynger with yͤ wounde fyngers/ and ſo getteth the wounded fyngers quyckenes with the hole fynger.

¶ Of the brokẽ bones in the breſt.

Ca. lxviii

THe breſt is ſet togyder of .vii. bones and they be faſtened to .xii. rybbes/ therfor take hede in what place the bone is broken/ lay your hande theron ⁊ fele yf it be broken/ ⁊ yf it crake it is brokẽ/ and yf not be brokẽ but ſore bowed in/ then is take hede yf he perbrake blood/ for and yf he perbrake blood/ it is an euyll token that ther is ſom vaynes broken. And yf not but is otherwyſe broken/ then take your hande and threſt upõ the hyghest place that the bone come in agayn. Or ſette upon the fracture a grete ventoſe or boxe without prycking yͭ pulleth out the bone agayn. And that ſo done lay therupon this plaſter/ whyche hathe the ſtrengthe to cauſe all bowed bones to come out agayn.

¶ A plaſter.

Take Cypreſſe mele/ or bean mele .iii. ounces Draganti/ Gummi arabici/ of eche .ii. ounces. Bolo armeno .iiii. ounces. ⁊ make theſe togyder in ſmall powder myngled with the whyte of egges/ and therof make a plaſter and layde theron/ and dreſſe them at euery .iii. dayes ones. And as ye haue bounde them fyrſt let them be let bloode out of the vayne of the lyuer on the hande bytwene the ſmall fynger and the golden fynger, and ſalue the place with defenſiuum therin is no vynegre/ for the vynegre is colde/ and the bones therin is ſubtyl/ and let the vynegre alone. and holde the pacyent goynge to the draughte. and make the place ſtronge in this ſalue.

¶ A ſalue.

Take Maſticke/ Frankenſence/ of eche an ounce/ Mumie/ Bolus armeni/ of eche .ii. ounces. Fenugreke mele .iii. ounces. ware .ii. ounces. Roſyll .iii. ounces. Oyle of olyue .xii. ounces. melte the ware and roſyll in the oyle by the fyre/ and than ſtrayne it and yͤ other ſubſtaunces made in powder do therin/ and medle them wel togyder/ and ſalue the place euery daye ones. And rule hym in mete and drynke/ as I haue lerned before.

¶ Of the brekyng of the rybbes. Ca. lxix.

WE ſhall knowe that ther is xii. rybbes. vii. longe ⁊ .v. ſhorte/ and the ſhorte rybbes breke not nyghe by the backe/ yͤ other. vii. rybbes breke in many places/ and they be ſõtime croked ⁊ bowed inwarde and is not brokẽ/ ⁊ ſomtyme out warde alſo/ and ſomtyme yͤ fracture is deedly by lõge enduryng of payne/ and ſõtyme it is not deedly and ſhortely heled/ ⁊ this ye may knowe hereafter wrytten/ the fyrſt ye muſt with your hãde fele the brokẽ place/ and yf there be ony crackynge then is it brokẽ/ ⁊ yf there be none euyll accedence to ſe it is good to helpe/ and as they bowe in warde ſo be they euyll to helpe/ And yf the rybbes be ferre ſonken in/ that the mẽbres be ſore wounded inwarde it is deedly/ or elles longe ſykenes/ and that may be knowẽ by the ſhort brethe/ and by blood ſpyttynge coghynge with the ſtytche and payne in the ſyde/ therof often cometh grete payne to the rybbes/ and to helpe the foreſayd rybbes is euyl to do ⁊ brynge to paſſe/ comẽly as they breke the wyll departe or be bowynge the one part inward/ and the other outward/ ⁊ that inwarde is euyll to brynge agayne to hys place/ and ſome parſones ſayth yͭ the pacyent ſholde ete ſuche meetes whiche ſholde cauſe hym to ſwell ⁊ to fyll hym full of wynde by yͤ which yͤ rybbe ſholde be dryuẽ agayne in to his ryght place/ ⁊ ſome ſayth to ſet on them ventoſes or boxes wherby yͤ rybbe ſholde come outward/ but it is to doubte yͭ by that workynge of the ventoſes or boxes ſholde come more harme. Therfore dyſcordeth the olde doctours in this cure. And Haly abbas/ Albuca. Auicẽna/ and mo other haue gyuen many a cure to thyſe. Auicẽ. Albucaſys/ they take therto onely/ woll/ oyle powder/ and bandes. Rogerius brengeth it in agayn to his place with cleuynge plaſters chaffed agaynſt the fyre/ or in bathes and after that he maketh yͤ rybbe faſt. And Brunus maketh that it comyth outwarde euẽ/ and he layeth theron a plaſter wͭ ſplentes as therto belongeth/ and that part that is bowed inward he maketh moyſt. Auicẽ. occupyed woll/ oyle/ to a ſmall inbowyng but and yf it be great he pulleth it outward Wilhelmus de Saliceto maketh euẽ with his handes/ and with the whyte of an egge and meele/ and with thynges layde theron plaſterwyſe. Lanfrancus dyd as Roger. but he comaunded that the pacyent ſhall be holpen wͭ koughynge and neſynge to threſt the rybbe out. Guydo doth as Brunus/ as the fracture cometh outwarde/ and after yͭ he layeth a plaſter thervpon with the whyt of an egge with meele and other conglutinatiuum/ with flockes/ or with towe/ and ſplenteth it with a pece of harde lether/ ⁊ byndeth the place faſt with a longe bande/ and at yͤ laſt he ſofteneth the fracture with Dyalthea/ or with oxicrato. But yf the fracture gothe inwarde/ do as Rogerius and Lãfranc⁹ dyd. and yf it be nedefull thã he openeth the fracture/ or ſet thereupon a ventoſe or a boxe. Therafter he layde vpon yͤ ſyde on the fourthe or fyfte day the whyte of an egge/ and oyle of roſes with towe for to dryue away the payne and ipoſtumacyon/ thã ye bynde it with a lyght byndynge/ but reaſonably to holde the medecyne. Then maye ye rule the fracture wͭ a plaſter of been meel and hony/ and thereafter ſofte it with Dyalthea/ or with Oxicrato. Or lay thervpon this plaſter when ye haue made it agayne euen.

¶ A Plaſter.

Take Cycer meele/ or Myrſtoffe meele/ or Beene meele. xii. ounces. Maſticke/ Dragantum/ Gummi arabici/ Mumie/ Boli armeni/ of eche an oūce. powdred and mydled with the whyte of egges/ and ſo laye it theron/ and ſalue it roundaboute with the defenſiuū/ then bynde it and let it lye ſo. iii. dayes. and let hym blood on the hande/ and rule hym in goynge to the draught. and cauſe hym to lye hye/ or vpon his bely. And when ye haue faſteneth all the rybbes/ ſalue them with this ſalue in the ſtede of Dyalthea and occicrato.

¶ A Salue.

Take Roſell. vi. ounces. Waxe. ij. oūces. Bdellij/ Apoponati/ of eche an ounce. Maſtick/ Frankenſence/ of eche. ii. oūces. Dragons blood. Mumie of eche an oūce. Oyle olyue. xvi. ounſes. weke the Bdellium and thereafter in the oyle alſo/ and do therin the other thynges made in powder/ and mydle it ſo togyder/ and therwith ſalue euery day the place of the fracture. for this ſalue dryueth away the payne/ and taketh away all hardnes. yᵉ more ofter in yᵉ begynnyng how the ventoſes or boringe more draweth/ the more moyſtnes ſendeth the nature therto. Therfore ye muſt regarde yf the pacyent be full of fleſſhe ⁊ moyſtnes ſo let hym blood on the other ſyde agaynſt the fracture on the vayne Baſilica. and thereafter on the ſame ſyde of the fracture. But yf yᵉ pacyēt be lene worke after the lernynge of Rogerius/ Iamericus/ and Lanfrancꝰ/ and anoynte your hande wͭ Turpētyn/ or with melted pytche or with other clyuynge thinges/ and it ſhal be done in a bath/ or by a fyre/ and lay it on the parte yᵗ is bowed inwarde/ and yᵉ other hande on the parte that ſtandeth outwarde for to threſte it downwarde/ and with pullynge of the adiutorium or arme pype of yᵉ body/ with koughynge/ or holdynge in the wynde. and quyckely pull your hande vpwarde as often as the koughe/ and holdynge of wynde cometh/ for it pulleth out yᵉ rybbes. But yf it may not be ſo/ and that yᵉ pacyent be lene/ or yᵗ ye be in feuer/ than ye ſhall folowe the workynge of Auicenna. with ſettynge the ventoſes or boxes . and as the rybbes be brought agayn in to theyr ryght places/ ſo ſhall you bynde it wͭ towe depte wͭ yᵉ whyte of an egge medled wͭ meele/ or wͭ the plaſter of Mumie as I haue lerned. And when ye haue thus wroght ⁊ yᵉ payne ſwage not away nor yᵉ rybbe wyl not come out agayne/ and yᵉ coughe and payne/ and the ſtytche increaſeth/ ⁊ the bloodlettynge is done/ and the accedēce cometh therto/ ſo muſt ye cut on the rybbe/ and vncouere the fleſſhe fro yᵉ rybbe/ ⁊ take it away wͭ your inſtrument/ and ye ſhall lyfte vpwarde the rybbe agayne/ for to compelle the comynge of the accedence/ ⁊ afterwarde ye ſhall hele it lyke another wounde/ ⁊ to holde the rule of one pleureticus tyll the acces and euyl accedence be done.

¶ Of the brekyng of the hyppes. Ca. lxx.

THis bone is broken ſomtyme by ſtrokes/ ⁊ ſomtyme by fallynge/ and ſomtyme clouen/ and ſomtyme bowed inward This fracture is knowen by felynge with your hande in the ſtrykynge ouer / yf ye fynde ony vneuē. ¶ If the bone cleue / lay therupō this plaſter. Beene mele dragantum / maſtycke. ⁊c. as I haue afore ſayd / ⁊ lay theron plumacioles of towe or of lynen cloth and with ſplētes / and bynde it with a bande about the body / and than ſowe it as often as it goth aboute / ⁊ at euery ſowynge ſet on a ſplente / and ſo let it lye. v. dayes / but not ſo longe yf it happen that the pacyent be come ſyke or ony euyl accedence come to hym / Ye ſhal let hym blood bytwene the lytell fynger ⁊ the golde fynger / and holde the rule of goynge to the draught ſo yͭ he abyde thyn in his belly / and yf ye knowe by the foreſayd token that the bone is brokē it is nede that yͤ bone be threſt downwarde and ſet agayne upryght wͭ yͤ helpe of your ſeruaūtes / and that ſo done / lay therupon the foreſayd plaſter and plumacyoles / and the ſplentes ſhall be ſo grete yͭ the bone may be couered withall / Ouer the ſplentes lay other ſplentes / and depe towe threſt out agayne / and thē lay ouer yͤ your byndynge with your beſt maner / and ſalue with that deffēſiuum / and let the byndynge lye tyll yͤ iii. or. iiii. day be paſt. Ye ſhal let hym blood a prycke on his backe / ⁊ rule hym wͭ mete ⁊ drynke as I haue often ſayd to you before.

¶ Of the brekyng of pypes about the kne.

Ca. lxxi.

As ye knowe by the felynge of yͤ bone whether it be broken with a woūde / or without a wounde If it be broken without a wounde / ſo is it nedeful to make all your gere redy yͭ therto belongeth / as I haue lerned you in the. lix. chapytre / then ſhall ye ſet the bone togyder agayne / as I haue lerned you in yͤ. lxv. chapytre / in the brekynge of the armes and of yͤ legges / and as the bone is well ſet togyder / then ſhall you depe yͤ clothe in oyle of roſes / and wynde it well about the legge or take the powder of walſtone ſo as I haue lerned ſo ſhall you take the oyle ⁊ the plaſter made of beene mele / as I haue often lerned you / with the whyte of an egge ſtrykē on a cloth and lay ouer yͤ bādes ſplentes ſmall cordes ⁊ pypes / as I haue playnly lerned you in yͤ lxv. chapytre of the brekynge of the armes about the elbowe / your bandes and ſplētes ſhall be ſo ordeyned and to cloſe the bone / ⁊ hole it togyder / and take hede yͭ ye the bone bynde not to ſtyffe / wherby therto may come no ſwellyng nor other harme for that is to be fered / for they be daedly tokens / nowe as all thynges is well done / ſo ſhall ye yͤ pacyent cōmaunde to lye downe / and he ſhall not meue. Alſo yͤ olde mayſters dyſcordeth howe the pacyent ſhall lye / Rogerius / Albucaſys / and wylhelmus / lay them in an euē place or bed / ⁊ wyndeth his legge ſoftely wͭ clothes and towe / and ſome other mayſters / as mayſter Peter / he hath. ii. longe ſplentes to the ende of yͤ foote that is woūde with lynnē clothe and byndeth therupō. iii. or. iiii. bandes / Auicennā / Brunus / and Rogerius / ſplenteth with. ii. longe ſplētes bounde to the foote / But Lancfrancus and the yonge mayſters lay the legge alonge / ⁊ all the mayſters menynge is that the brokē legge ſhall be layde euē to reſt without ony hurtynge that it ſhall not be moued / and the pacyent ſhall not moue on no ſyde / and alſo therof ſpekēth Rogerius to yͤ worke mayſter that he ſhall kepe ſtraught the membre and ſaue his helth/ and alſo for a more ſurety Romanus layeth yͤ pacyent on a ſmall bed/ vnder the whiche bed is an hole thrugh the whiche he may do his water/ and eaſement without lyftynge of hym ſelfe/ and he muſt be bounde to .iij. or .iiij. places of yͤ bedſtede and yͤ hole foote muſt be bounde to the ſtock that yͤ pacyent may not drawe it vp to hym and Guydo byndeth hym with longe ſplentes/ and layeth on hym a wayght ⁊ byndeth to his foote a plomet of leade/ and as al this is ordeyned and done/ ſo ſhall he holde and rule as I haue ſayd in yͤ .lix. chapytre with blod lettynge/ draught goynge/ and with eatynge and drynkyng/ ye ſhall dreſſe hym dylygently .iiij. v. or .vj. dayes togyder/ wͭout he be very ſyke/ and at euery dreſſynge/ ye ſhall loke well on the legge how it is dyſpoſed/ and yf it be not ſet vpryght/ take hed ⁊ gyue hym his ryght forme/ therfore take ye hede in yͤ fyrſt begynnynge/ for yf it ſholde ſtonde longe/ it ware harde to make it vpryght/ is ther one wounde grete/ then ſe yf ther be ony bone depted that take awaye/ and ſow the wounde/ and on yͤ ſeme ſtrawe that powder that belongeth therto/ as in the xiij chaptre is ſayd/ and as ye the membre hathe ſet vp ryght well togyder/ than take wode ſplentes after the degre of the woũde ⁊ that the ſplentes towche not the woũde/ whan ye bynde the legge/ and alſo that ye may euery day ſe to the wounde/ and on the woũde lay the aforſayd powder yͭ be layde vpon the ſeme and vpon that powder lay yͤ mundificatiuum plaſter.

¶ A Plaſter.

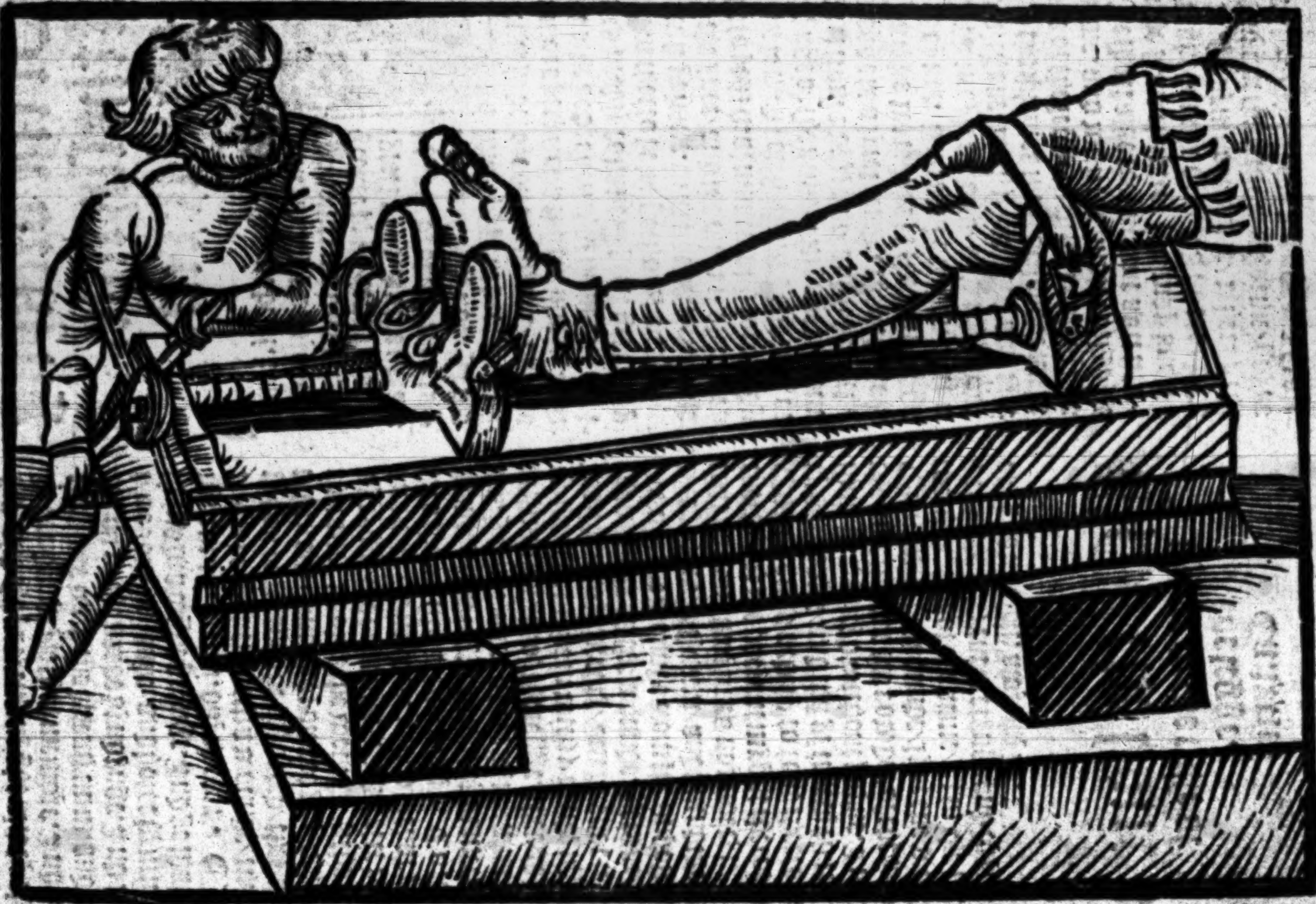
Take roſe hony ſtreynyd .xij. oũces. Barly meele/ Mylſtuf meele/ or other lyke .xij. ounces/ of this powder that lyeth on the ſeme. take .ij. ounces. and medle this togyder and as the wounde with this plaſter is clenſed/ than hele it wͭ the grene woundyd plaſter/ and with powder of Cypreſſe nottes/ Mumie/ Frankẽſence/ Gall apple/ of eche ij. ounces. and on the ſeme lay the powder of Dragons blood/ Dragãtum/ Gõmy of Arabice/ of eche lyke moche/ and all this mydle togyder.

¶ Of the brekyng of the knee ſhyue or whorle bone. Ca. lxxij.

Whan the knee ſhyue is broken/ then ſet it agayne vpryght with your hande in the beſt maner as it can be than lay therup yͤ plaſter made of Barly meele/ or Beene meele/ and Dragons bloode ⁊c. ⁊ ye ſhall not lay theron the clothe dept in roſe oyle/ and as the plaſter is layed theron/ than ſtryke ther about the Defenſiuũ/ and therafter lay vpon it Plumacioles of towe/ and therafter ſplentes/ and therouer bynde it well with yͤ bande and ſow the bande wͭ whyt threed/ and let hym bloode on yͤ hande/ betwene the lytell fynger and the goldẽ fynger/ ⁊ rule hym in goynge to draught/ and wͭ meete and drynke/ as is aforſayd.

¶ An inſtrument to make a croked knee ryght.

yhe archdeank



Noiſlam bem wkei

¶ Of the brekyng of the ſhynne.

Ca. lxxiij.

IN the ſhynne be .ii. bones ſomtyme they be brokē bothe / ſomtyme breketh the greate pype / ſomtyme the lytell pype. As the greate pype is broken / then is yͤ fracture behynde. If the ſmall pype is broken / thā the fracture is before on the ſhynne / but the grete is more peryllous thā the ſmall. And as they bothe be broken that is mooſt peryl Then it is needly to haue al your gere redy by you that therto belongeth or ſerueth. Than muſt ye haue .ii. ſeruauntes / the one to holde the knee / and the other the fete. ⁊ cōmaunde to pull in al maner / and to be redy as I haue lerned you in the .lxv chaptre. of the brekynge of the armes. felynge wͭ your hande yf it ſtande vpryght / and loke yf the broken legge is a lytel lenger than the hole legge. In lyke wyſe loke yf the hole legge is croked or not. And bynde it than with a clothe depte in oyle of roſes / or with yͤ powder of waltſtone / with yͤ baundes and ſplētes. And the ſplentes muſt be longer in the brekynge of the legge than in the brekynge of the arme. and with the ſmall cordes / ⁊ pypes. Ye ſhall aſke the pacyent as it ſtandyth in the ſame chaptre / yͭ ye may knowe yf it be ryght bounde or not. And take hede that ye bynde hym not to ſtyfe / wherby the pacyent myght come in grete harme / payne and fere. And ſholde hym brynge in paralyſys / and the pacyent myght alſo by the harde byndyng lyſe that membre. And defende the place with the defenſyuum. and beware you of the harde byndynge. And let hym blood on the hande / and holde hym in yͤ rule in his drawght goynge. And ye ſhall dreſſe hym in .iii. or .iiii. dayes onys. ¶ If that legge be broken with a wounde / than loke yf ther ony bones be departed / they ſhall be taken out. And fere you not yf yͤ mary goth therout. Sowe the wounde / ⁊ than make bryggt the bone agayne / ⁊ ſett it to gyder and make ſplentes / but doo ſo that ye maye ſe to the woūde at euery daye. To theſe brekynge of the legge be ſondry maners of ſplētes. Ye ſhal make a hole forme after yͤ gretenes and length of the legge / ther as the legge ſhall be layde in with yͤ byndynge This woūde is ſore deedly / but fere not ſo moche the fracture as the wounde. It is nedeful to defende the wounde from the impoſtumeyō with the defenſyuum / and mundificatiuū / that no grete moyſtnes nor ſwetynge come therto / for the pacyent myght therof dye. Therfore it is nedely to loke therto at euery daye onys / and thā yf it nedyth the bone ſhall be ryghtyd withont payne. And vpon the ſeme ſtrawe the powder of the ſowynge Than hele the wounde / lyke the woūde wͭ the brekynge of the arme / or in the ſhulder ⁊ rule the pacyent in etynge and drynkynge as I haue often aforeſayde.

¶ Of the bone brekynge in the calfe of the legge.

Ca. lxxiiij

Seldom is broken the bone of the calfe / for it is an harde bone / and is defendyd with the ſtrynges & ſynewes (as Guy do ſayth) but Wylhelmꝰ ſayd If it happeneth that the bone of the calfe be broken / that ſhalbe knowen with ſelynge. And that bone breketh ſomtyme with ſtrokes / ſomtyme wᵗ fallynge / than helpe hym thus.

¶ A Plaſter.

Take been meel / or Cypermeel / or mylſtuf meel. xii. ounces. maſtick / Dragantũ / Gõmi arabici / of eche. ii. ounces. Bolus armenus. i. ounce. all this made in ſmal powder than mydle it with the whyt of egges / and lay it on the fracture / and therouer the ſplẽtes with towe. and therouer the bande / and ſowe it wᵗ a threde at eche wyndynge of the bande. And the bande ſhall go roũde about the hole fote / & roundabout the halfe legge and ſalue the fote with the defenſiuum / and rule hym as is aforeſayd.

¶ Of the brekyng of the bone above vpon the foote.

Ca. lxxv.

Aſtraſeta that is the bone of yͤ fote is brokẽ it is harde to hele lyke Auicẽna wrythet / and therto comet oftẽ tymes yͤl accedẽs. yͤ breking (as albucaſis ſayd) ſhal be holpen thus / ſet the foote of the pacyent on the groũde / and lay yͤ bone ryght as it beſt may be done / thã ſplente hym with a brode ſplent after yͤ ſole of the foote / and lay on the fracture the foreſayd plaſter made of that powder medled wᵗ the whyte of an egge / ouer the plaſter lay ſplentes with towe / dept in the whyte of an egge / than ſhall ye ſet the foote on a ſoole of woode / and about the foote ſtryke that defenſiuum / than bynde the foote & pull therouer a ſho of fylt / & let hym blood / Is the woũde with a fracture thã bynde hym euery daye onys or dreſſe hym / and lay on the wounde this plaſter.

¶ A plaſter.

¶ Take Maſtyck / Dragantum / Gommy of Arabyci of eche. ii. ounces / Mumye / Bolus Armenus / of eche one oũce / Thys powder medled with roſe hony / & make therof a plaſter / ther with the wounde ſhall be clenſed / ther after hele the woũde with a grene woũded plaſter / and ouer the plaſter lay a clothe dept in warme roſe oyle / or in warm wyne / for the warme wyne dothe ſtrongl the fleſſhe growyng as ouer the powder be layd the plaſter / his meet and drynk ſhal be as is aforeſayd / yͤ ioyntes of yͤ toes ſhalbe ryghted agayne lyke as the Ioyntes of the fyngers. As Haly wrythed.

¶ Of the bowyng of the bonys without brekynge.

Ca. lxxvi.

The bowynge of yͤ bonys happeneth ſomtime with fallyng & ſomtime with ſtrokes. or wᵗ cuttynge without brekynge as the bowynge on the cheke than thruſt it outwarde with your hande & fyngers / as I haue lernyd in the chaptre of the brekynge of the rybbes. in yͤ .lxix. chap. and the other hande ſhal be ſalued with turpentyn/ or pytche/ and lay it without on yͤ cheke bone. and with the other hande preſt it ſoftely from within outwarde/ and take awaye with haſt your ſalued hande fro his cheke. In lyke wyſe do in the bowynge of yͤ rybbes. but in the bones of the ſhyne or arme muſt ye haue a good byndynge/ ⁊ ſtronge ſplentes/ that ẇ the threſſyng of the byndyng may be ryghteth the bone agayn. and the bone in the arme or legge ſhall be ſtretchyth out by lytell and lytell. but that mēbre ſhall fyrſt be batheth in water therin is ſodden Camomyll/ Pappyll/ hye malowe Fenygreke/ Lynſeed. And than ſalue it ẇ oyle of Lylyes/ or Capons greſe/ or Duckys greſe. And it is often proued/ and it helpeth moche/ as vpon the bowynge be layde a pece of an Olyphantes tethe/ for yͤ yuore bone pullyth to hym the bowyd bone/ and therwith the bone getteth his ryght forme.

¶ Of the dyſlocacyon or dyſmembrynge of euery ioynt in generall. Ca. lxxvij

Auicenna ſayth/ the dyſlocacie or dyſmembryng is an outgoyng of yͤ bone out his ryghte place ther it was ſet in before. And the ſettinge of the bone is in .iiij. maners, that alſo Lanfranc, Wilhelmꝰ/ and other mayſters ſayth. The one is after the maner of a ſaw ẇ the tethes ſet in to gyder and ſo cloſynge/ as be the .vi. bones of the braynpan. The other. as yͤ one bone in the other ſtandeth and is there in ſet/ as the tethes in the cheeke. The .iij. is one hangynge or lenynge bone on another bone as the .vij. bones of the breſt. The .iiij. maner. the one bone is ioyned with another/ ⁊ bounde to gyder with the ſynewes/ where through the meuynge of the body cometh. This gaderyng of yͤ bones is called a ioynte or mēbre. In this laſte maner is done yͤ very dyſlocacye/ but in the other it is not be done/ but ther happenyth a dyſmembrynge

¶ This dyſmēbrynge is in .iiij. maners. forward/ behyndeward/ inward/ ⁊ outward Alſo is ſom ſymple/ ſom with a fracture/ ⁊ payne and impoſtumacyon/ and ſom with hardnes. After this dyuerſyte be dyuers cures. And the dyſmembryng happeneth ſomtyme without/ as with fallynge/ ſmytynge or ẇ vnreaſonable pullynge. Som dyſmēbrynge is inwarde/ as the iuyny humours in the ioynte be holden. The token of the diſmembrynge of the ioyntes is knowen by yͤ hyghnes/ or holnes on the other parte. The dyſmembrynge with a wounde/ payne/ or impoſtumacyon is heuy and peryllous/ ſo yͤ mēbre bydeth ſomtyme croked without tournynge agayn in his ryghte forme (as Galienꝰ wrythet in quarto Therapentice)

¶ The olde and harde diſmembryng is ſore heuy and ſhantely to helpe/ and ye muſt the membre ſet in agayn with good maner/ ⁊ with the leſt payne as haſtely as it may be done Som dyſmembringe is lyghtely to ſet in agayn/ as the ioynt of the handes. Som dyſmembrynge is heuy to ſet in agayne/ as the elbow/ the fote/ and the fyngers. Som is betwene bothe/ as the ſhulder and hyppes. ¶ The incomynge of the membre is knowen by herynge of the crakynge in yͤ incomynge of the bones and as ye ſe that it is come in his ryght place in the other bone.

❡ The comen cure of all dyſmembrynge in the ioyntes is in .iiii. maners. beſyde the lettynge that I haue geuen you in the chaptre of the comen brekynge in the bonys. The fyrſt maner/ is the ſettyng in agayn ỹ ioynte. The ſecōde is faſt makynge of the membre that ther is ſetin agayn. The .iii. is defendynge of the payne and impoſtumacyon. The .iiii. is mendynge of the yll accydētes.

❡ The fyrſt is done in .iii. maners. The fyrſt. that ye haue all thynge redy by you ỹ is nedefull to you as I haue lerned you in ỹ .lix. chaptre. of all fractures in the bonys in comen or ye begyn ỹ membre to ſetin agayn The other/ that ye ỹ membre not bathe nor waſſhe in warme water (as Auicen. ſayth) that no impoſtumacyō come therto/ nor lettynge to ſetin the membre agayn. Lancfrācus and Wylhelmus de ſaliceto ſayth/ that ſom the dyſmembryng as it is freſſhe/ than they lay that membre in warme water a lōge tyme/ and than they ſetin ỹ mēbre agayn and this ſhall ye not do. but is the dyſmembrynge ſom dayes paſt/ than may ye bathe the ioynt in warme water therin is ſodden Papple/ Camomylle/ Hye malowe/ fenygreke/ and than ſhall it be ſetin agayne.

The .ii. maner is done in .ii. maners. The fyrſt. as the ſettynge in of the ioynte is ſmal and lyght/ than is Inough to lay theron a clothe depte in oyle of roſes/ and ther with ſaluced the ioynte/ and ouer the clothe tow dept in whyte of egges. than bynde it with a bande that therto belongeth. The other. is ỹ membre grete and ſtronge/ and the ſettynge in is heuy/ and ye fere the goynge out of the ioynt agayn/ than ye muſt you prouide better/ therfore anoynte the ioynte/ and lay ther vpon this plaſter folowynge.

❡ A plaſter.

Take Myrtin meell. vi. partes. Dragōs blood/ Frankēſence/ Maſticke/ Sarcocolle/ of eche one parte/ all this made in poud and medled with the whyte of egges/ and ſtryke it vpon a clothe/ & laye it on ỹ ioynte and plumacioles of towe or clothes. If it be nedefull than ſplente it with lether/ & bynde it with a bande of lynnen clothe after the greatnes of the membre/ and bynde it ſtefly that it meue not in no ſyde/ & that the bande holde it faſt/ but take hede therto that ỹ faſt byndynge make not yll accidence.

❡ The .iii. maner. is the bloodlettyng and laxatyue yf it be nede/ and a good dieta in the begynnyng to the tyme tyll the payn and impoſtumacyon is dryuen awaye/ than ſhall ỹ dieta be ſtronger/ as I haue aforeſayde in the .lix. chap. and that therto come no yll accidēte/ than ſhall the fyrſt byndynge be ſtyll vnto the .x. daye. And ſom other leue it to the .v. or .vii. daye. and in the ende ſhall th bre be made ſtronge with ſedynge or dreyſynge of roſes/ and worwood/ and with a Chyreclothe/ or with oxicrato/ & ỹ mēbre ſhalbe brought agayn in his fyrſt ſtrēgthe and workynge.

❡ The .iiii. maner is. as ther is euyll accidētes/ payne/ or īpoſtumacion/ that it may be dryuen away or the diſlocacie be ſet in agayne/ for moche handelynge it is to fere comyng therto ỹ cramp or other accydentes/ and it ſhalbe done wt woll depte in warme water/ and lynſede oyle/ than it be brought to his fyrſt nature (as Albucaſis ſayth)

❡ Is the dyſlocacyon with a wounde/ than ſhall ye ſhortely it ſet in agayne/ and cure ỹ wounde/ and yf it nedyth ſowe the wounde/ and ther ſhalbe left on the wounde a hole open for clenſyng out the matter.

❡ Is the dyſlocacie with a fracture/ than dreſſe fyrſt the dyſlocacie and thā the fracture/is it poſſible. If it be not poſſible do the contrarye. ¶ Js the diſmembrynge out/⁊ is ther hardnes/than muſt ye bathe it as is aforeſayd. and ſalue it wᵗ dialthea/and plaſter it with dyaquilō magno/ kemde wolle deped in muſtilaginibus/ẏ is the ſlyme of papple/lynſeed/fenigreke/rootes of the papple ſodden/and ſtamped with greſe/and as the place is well wekyd than pulle the membre in agayn/and binde it as I haue ſayd before.

¶ Of the dyſlocacie of the Jawbone.

¶ Ca. lxxviii.

Of this diſmembryng of the Jawbone is in .ii. maners. The one/as it gothe forwarde out of the ioynt/than byde th the mouth open. The other. as it is behynde/than commeth the uppermoſt tethe ouer the undermoſt/⁊ thā ye can not open the mouth. The tokēs of this diſlocacie without the comon tokens is/that the tethes come not lyke on the other. And yf it not haſtely is ſetin agayne/it wyll be hard and bryngeth arcys/payne/and yll accidēt and dothe the parſone dye within .x. dayes. (as Auicē. and Haly abbas ſayth) Js the diſlocacie happeneth behyndewarde/thā it ſhal thus be ſetin agayn. The ſeruaūt muſt holde the heed of the pacient/than put your thombe in his mouth well behynde/⁊ your other fyngers under the cheke/and threſt wᵗ your thombe downewarde/ſtrongely pullynge to you/⁊ lyfte up with your fyngers that it may comē in/therafter ſalue it with dyalthea. Js the diſlocacie before/than layeth Wylhelmꝰ and Lanfrancus a ſtronge bande under the chyne whiche maye kepe ẏ hole chyne/and a ſmal ſtycke as deep in his mouth as it may be done/than they pulleth the endes of the bande ſtyfly upwarde/and holde the knee on the pacyent. And the pacient muſt lye hyghe with the ſhulders (as Jamericꝰ ſayth) ⁊ ſo ſhall it be brought in by the grace of god. Than lay theron thys plaſter folowynge.

¶ A Plaſter.

Take Beenmeel .xii. ounces. Dragantum Gommi arabici/Maſtick/Bolus armenꝰ. of eche .ii. oūces. this dryue to gyder in powder/and mydle them with the whyte of egges/⁊ ſtryke it on a clothe/⁊ laye it theron. Than wynde it about wᵗ a bande/⁊ dreſſe it euery two daies onys. And it is woūt to be made faſt in .xiiii. dayes/or ther about. Lay the pacyent on a ſtyfe heed pyllow. He ſhall ete ſoppys/pappe/ẏ them nede not to chaw. If it hath be longe tyme out of the ioynte/⁊ is it become harde/than ſhall ye bathe it wᵗ warme water/and oyle/and with other cōueniently thynges/as I haue lerned before in ẏ nexte chapt. than ſhall it tourne agayn in his place. ¶ Comyth therto ony yll accydent/thā helpe hym as it nedith/⁊ agaynſt the payne ſhere of his heere. And ſalue the heed with warme oyle of roſes behynde the eerys/and behynde in the necke/and under the arme of the pacient.

¶ Of the dyſmembrynge of the necke and rygbone.

Ca. lxxix.

Somtyme is the dyſinekbrynge of yͤ rydgbone outward/ ſomtyme inwarde/ ſomtyme beſyde/ and ſomtyme in yͤ vttermoſt ſpõdyles of yͤ rydgbone and it maketh Squinanſie/ that is with a bulc before/ ſomtymes is the dyſinekbrynge in the vndermooſt parte/ or ſpondyles/ ſomtymes in that myddyl/ than maketh a bulc on yͤ bake/ the token of yͤ dyſinekbrynge ſhall be knowen by the ſyght/ and by the felynge It is ſayd that all this dyſinekbrynge of the ſpondyles/ or backbone/ is ſore peryllous and yll to ſet in agayn for the ſynewes/ and the backmary/ or nucha/ and mooſt as the dyſlocacie is inward/ for it maye not be hādeleth/ the dyſlocacie of yͤ vppermooſt ſpõdyles that dothe harme to ſwellowe in the mete ⁊ drynke/ the myddelleſt doth harme to the brethe/ the vndermooſt dothe harme to the draught goynge/ ⁊ all tymes yͤ dyſlocacie is dredfull in what place ſhe is/ the fyrſt ſpõdyles of the necke is ſore bounde wͭ ſynewes/ on the bones of yͤ heede/ and therfore it is grete peryl/ and bytwene the laſt bone of the necke/ yͭ is the .vii. ⁊ the .viii. ſpõdyles/ ⁊ it is the fyrſt ther the rybbes haue his begynnynge/ by twene them it is grete peryll for yͤ meuyng of the necke/ and therfore in the ſame .ii. places of the ſpondyles or backe bone ther cometh ſonner yͤ dyſlocacye than in any other/ and his dyſlocacye is ſore peryll. ¶ The dyſlocacye that is in the vppermooſt ſpondyles that is cuttyng of yͤ necke/ that cauſeth yͤ dethe haſtely of a man for cauſe that yͤ inthreſtynge bone ſtoppeth the wynde/ and taketh awaye his lyfe/ as this dyſlocacye is betwene yͤ .vii. and .viii. ſpondyles/ than is the way ſtoppeth of the meet and drynk/ and the way of the ayre is touched/ and as the dyſlocacye is vnder yͤ .viii. ſpondyle/ than leſeth the nether mooſt membres his meuynge/ for the ſtoppynge/ and hurtynge of the ſynnewes and nucha/ wherof cometh all tyme the meuynge and felynge/ Therfore it is nedefull ſhortely it to be ſet in agayne/ and as the bone in yͤ neck is out of the ioynt/ than hangeth the heede forward/ or behyndeward/ and the pacyēt can not ſpeke/ and them ſhal you helpe thus Ye ſhal haue a ſeruaunt to holde the pacyēt with one hande vnder the chyne/ ⁊ the other hande on the heede/ and let hym holde faſt/ than ſet your hand on yͤ pacyent on his neck and cōmaunde the ſeruaūt that he the heede holde vp warde/ ⁊ ye ſhall with your hand threſt downward vnto yͤ tyme tyll ye haue ſet in agayne the bones of the pacyent/ is yͤ fyrſt ſpõdyle out the ioynte/ ⁊ is it not ſhortly ſet in agayne thā ſhal he dye/ And in this maner folowyng ſhal it be ſet in agayn(as Albuca. Haly abbas/ Auicenna/ ⁊ Lancfrankcus ſayth)that heed ſhall wyſe pulleth with yͤ handes/ and with one hand bynde/ ⁊ lay hym a ſmal ſtyke in the mouth and threſt hym vpward by the chyne/ or wͭ the here/ vp by the eerys/ ⁊ the ſhulder ſhal be threſt downward with the feete/ and he ſhall be pulleth in bothe places with good prouiſiō/ with cordes or other inſtrumentes When the .vii. back bone or ſpondyle is out yͤ ioynt of yͤ .viii. ſpõdile thā tarry not long of yͤ inſettynge/ and gothe yͤ dyſlocacye inward/ than kylleth the parſone ſhortely/ ⁊ he is ſeldom holpen/ neuertheles begyn the cure/ and threſt hym the ſhulder downward/ and pull the necke as is afore ſayd/ Is yͤ dyſlocacie outward/ that ſeldom happeth/ that may be holpē with yͤ hande ſtrongely to threſt downward as ye beſt can/ ⁊ with ſtretchynge of the necke/ and with nether threſtynge the ſhulder downewarde.

¶ Is the diſmembrynge benethe the .viii. ſpondyle and yf it gothe ſore inwarde than it is deedly / and it ſhall neuer be holpē / & is it not hole īward / but that it alonely threſt the nucha / than the nethermoſt membres lyſeth his meuynge. ¶ As the diſlocacie is inward / than ther byded at euery tyme a bulte how wel it be cureth / neuertheles ther is a cure of the ſpondyles / wherof groweth a croſed back / and that ſhalbe threſt in with your hāde in ẏ beſt maner as it can be done or with a borde that therto is made. Whā ye haue holpē them / than bynde there vpon this plaſter here after folowynge.

¶ A Plaſter.

Take Oyle of roſes .iii. oūs. Mumie Maſtick Bolyarmeni / Dragantum Myrtillorum / Gōmi arabici / of eche .ii. oūc. mydle it togyder with the whyte of egges in the maner that it be thynne / and depeth therin clothes and they lay ther vpon / and there ouer lay .ii. ſplentes made with towe and depte in the ſame, than bynde hym ſoftely. Ther after let hym blood on the hande / and make hym goynge to the draught. and he ſhall ete pappes made with egges & with crommes of brede depte in barly water. And he ſhal drinke water wherin is ſoddē Cherpſes or barly. And dreſſe hym at euery .v. dayes ons / the pacient ſhalbe layd vpward that the diſmembrynge may be threſt downe. And the tyme of his helynge is .xx. dayes.

¶ Of the dyſlocacyon of the rybbes. Ca. lxxx.

As the rybbes be out the ioynt / than ryght it & ſet it in with the hande & lay ther ouer ẏ aforeſayd plaſter depte in ẏ whyte of eg. & wrynge it out agayn / but it ſhal fyrſt be depte in water & wrynge it out. & therouer bynde .ii. ſplentes not to faſt / So bynde hym .xx. dayes lōge. & all tymes lay theron the defenſiuū. and rule hym wᵗ meet and drynke as is aforſayd. ¶ If in this place com any oneuen knoddes / thā ſalue hym euery daye wᵗ the ſalue made of Oyle .xii. oūc. Ware / Fenigrekemeele of eche .ii. oū. Roſyll .vi. oū, Butter .iiii. oū. Frākenſens. Bdellij / of eche an oūc. Duckes greſe / kapons greſe / of eche an oūc. mydle this togyder on the fyre & ſalue the place therwith. And ye ſhal knowe that this Salue takyth away ẏ knoddys of the membres / and maketh euen / and ſet the bonys ryght.

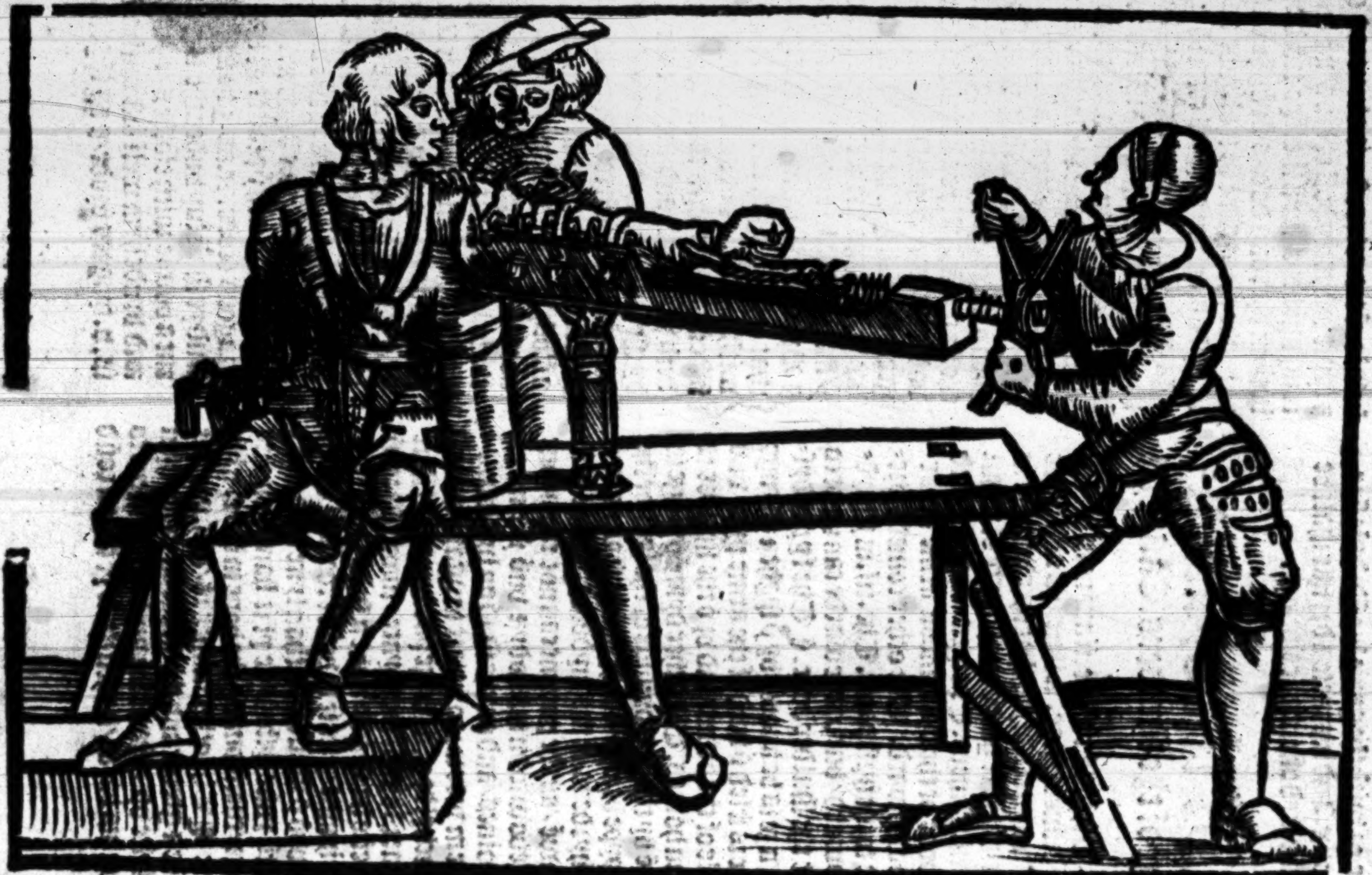
¶ Of the dyſlocacie of the bonys of the ſhulders. Ca. lxxxi.

This bone cometh not hole out ẏ ioynt / but that bone departeth ſomwhat out his place / than ſhall ye helpe ẏ bone wᵗ your hande. & ther ouer ẏ aforeſayde plaſter / And lay ther ouer ſmall cuſſhyns of fyne towe / and the rather ſplentes / & euery daye the defenſiuū / & let hym blood & goynge to the drawght / and rule hym in mete and drynke as is aforſayd. ¶ As there a woūde ſowe them / & lay theron this powder of Maſtick / Dragōs blood / Gōmi arabici / Dragantū / of eche .ii. oūc. Therafter clenſe the wounde wᵗ this plaſter .xx. dayes longe. Take roſe hony .xii. oūc. fenigrekemeel / or barly meel / or myllium meele .iiii. oūc. frākenſence / aloes / of eche an oūc. & as the woūde is clenſyd / thā hele it wᵗ the ſame powder. or with the grene woūded plaſter. or wᵗ bothe. And his mete ⁊ drynke ſhall be as I haue ſayd oftentymes before.

¶ Of the dyſmenbrynge of the ſhulders. Ca. lxxxij

AVicenna ſet alone. ii. maners in this diſmēbrynge. Albucaſis and other mayſters ſayth that ther be more in the ſhuld̄/ for it gothe out yͤ borce of yͤ ſhulder in. iii. maners. The fyrſt/ that the heed of the bone of the vppermooſt arme departeth downeward. The other cometh forwarde to the fyrſt parte. The. iii. in yͤ myddes vpward/ but backewarde can it not come out the ſhulder bone. ¶ The fyrſte dyſmēbrynge is be knowen by yͤ ſyghte ⁊ felynge as that is feled yͤ heed of the arme pype vnd̄ the hole of the arme/ and frō the ſhulder is ſeene an holnes. The other dyſmēbrynge is knowē by the outcomynge of the heed of the arme pype before/ ⁊ behynde ye ſe an holnes The thyrde is in the myddes vpwarde/ ⁊ is to knowē/ as the pacient can not retche out his ellebow from his body ⁊ vnd̄ yͤ arme ye ſe an holnes/ and on the ſhuld̄ an hyghnes.

¶ The maner for to ſette it in agayn is this Is it a chylde or a yonge pacient ⁊ that ſhulder bone is out of the ioynte/ than take it wᵗ your lefte hand and make a fyſte with your ryght hande/ ⁊ ſet it ſo vnder the holl of the arme vpō yͤ armholl than lyfte vp yͤ chylde with your fyſte lyke yf it hange on any thynge/ than cometh the bone in his ryghte place. ¶ The other maner is/ as yͤ pacient is olde ⁊ grete/ and the ſurgeon may hym not lyfte vp/ than commaunde the pacient to lye on his backe/ ⁊ then ſhall ye take a round bowle of tre/ ⁊ wynde it aboute wᵗ clothes ⁊ lay it vnder the holl of his arme on the out comynge bone/ than ſhall ye treed wᵗ your heel on the roūd bowle ſteſly downward/ and take the pacient wᵗ the hande and pulle ſteſly downeward/ than cometh the arme agayne in his ryghte place. ¶ The. iii. maner is. the pacient ſhalbe pulleth wᵗ the arme ouer a ſtaffe/ in yͤ myddes of the ſtaffe a bowle woūdē about wᵗ clothes/ ⁊ bothe the endes of the ſtaf ſhalbe made faſt hyer thā yͤ length of a man. And the paciēt ſhall ſtāde vpon a ſtole/ than ſhall ye pull yͤ arme ouer the ſtaf/ thā ſhall ye alſo puſhe yͤ ſtole from vnder his fote/ ſo ſhall the bone be ſet in by yͤ grace of god. ¶ The. iiii. maner is wᵗ a ladder/ in the ſame maner as you haue done wᵗ yͤ ſtaf (as Haly abbas/ Albucaſis Auicē. ⁊ Brunꝰ ſayth) But Rogeriꝰ. pleaſe better that Guydo ſayth wᵗ the fote/ with yͤ fyſt/ ⁊ with the ſtaf/ ⁊ not with the ladder. ¶ The fyfte maner is with the inſtrument as it ſtādeth in picture/ and in all maner as ye [illegible] by the ſame pycture. And the diſmembryng be ſet in alſo with retchynge and pullynge/ and with threſtynge in with the hāde or wᵗ a clothe (as Lanfrancꝰ ſayth) And wyll it not be ſet in agayne/ for cauſe that it hathe the longe ben out of the ioynte/ ⁊ is become harde/ than ſhall ye waſſhe it with warme water/ as is aforeſayd/ and make it ſofte/ ⁊ brenge it in agayne. And as it is done than pleaſeth me Rogeriꝰ/ yͤ whyche in the fyrſt iii. dayes dreſſeth the paciēt with a fyne lynnen clothe and towe depte in whyt of egges ⁊ therafter with yͤ plaſter of myll ſtufmeele dragons blode. ⁊c. as I haue ſayd before. And ye ſhall lay vnder the arme of the pacient a bowle with clothes/ or made of towe and bynde hym well faſt with a bande that is. v. fyngers brode/ ⁊ as lōge as it nedyth.



¶ Of the dyſmenbrynge of the elbowe. Ca. lxxxiij.

This diſlocaciō of ẏ elbow as (Auicenna ſayth) is ſomtymes grete / ⁊ ſomtymes ſmall / Albuca. ⁊ other mayſters ſayth ẏ it gothe ſomtymes forward out the ioynt / and ſomtyme behynde / The token of this dyſmembrynge is heuynes in ẏ meuynge / that it is not poſſyble the pacyent to brynge the hand to ẏ ſhulder / The elbow cometh heuely out ẏ ioynt ⁊ is heuely to ſet in agayne / for the ſynewes ⁊ vaynes. Of the ſettynge in and cure ſayth Auicenna that it is in .ii. maners / the fyrſt with the ony hand holde the ſhulder / with ẏ other hand to dryue in it agayn that is out / wᵗ ſtyff berynge behynde on the elbowe / wᵗ a ſalued hand with oyle / tyll it cometh in agayne / Rogerius ſayth the maner of byndynge / Lancfrancus ſet the cure therof wᵗ ſtretchynge ⁊ with vphanggynge / or with berynge of weyght / yf the dyſlocaciō gothe forwarde or behyndewarde / but Guydo ſet it in wᵗ the knee as dyſlocacie is forward. Is dyſlocaciō it afterwarde or behynde ſo ſet he it in the hande (as Auicenna wryteth) ⁊ the maner of the inſettynge with the knee or heele that ſhalbe done in it that is forwarde He ſhall take a brode longbande about his arme / ẏ the .ii. ende goo behynde ⁊ let your ſeruaunt hold bothe ẏ endes in euery hande one / and the pacyent ſhalbe bounde on his foote / and ſhalbe holdē / and commaunde the pacyent to ſtretche out his arme / thā cōmaunde the ſeruaūt with the hande to pull backwarde / than ſhall the mayſter haſtely the arme ſett forewarde to ſettin the ſhulder agayn. Thā threſt in wᵗ the knee that there ſtande outwarde / brynge the arme to the ſhulder. As it is out behynde / thā is good ẏ arme to be bowed / ⁊ ouertwart by a lytell lyft vp the arme / ⁊ turne it ſomwhat (as Iamericꝰ ſayth) In ẏ faſtmakinge of this cure folowe all thynges as I haue lerned in the aforeſayde chaptre / but the arme ſhalbe berynge about the necke / ⁊ by lytell and lytyl ſhall he be bounde hygher / tyll the hande come to the ſhulder / and euery .iiii. daye ſhal it be dreſſeth onys. And at euery tyme ſhall be bowen the membre. And it is woūte to be heled in .xv. dayes.

¶ Of the dyſmenbrynge of the hand or knot of the wreſt. Ca. lxxxiiij.

The bone of ẏ hande goth lightly out of the ioynt / ⁊ is lightly to ſetin agayn / as it be ly quykly. And as it bydeth any tyme out of the ioynte / than com therto ſomtyme an apoſtumacion / and than it is wᵗ grete payne ⁊ heuynes to ſet it in agayne. And this diſmēbrynge is mooſt before or behynde. ⁊ the cure therof ſhalbe done wᵗ ſtretching / pullynge / and meuyng ⁊ with downeward threſſynge. But I take the lyft hande of the paciēt in my hande ſtefly by the knot / ⁊ take his myddell fynger in my ryght hande. ſtretchynge and pullynge the ſame fynger / ⁊ in the pullynge threſt I on the outcomyng ther agaynſt / wᵗ the fynger vnder / or wᵗ the thombe aboue / ⁊ ſo it wyll lyghtely be ſettin. ¶ In the faſtmakinge is none other cure thā I haue lerned you And Iamericꝰ heled this in .xii. dayes. Is ther a woūde / than bynde hym ẏ the woūde maye be ſene on euery daye.

¶ Of the dyſmenbynge of the fyngers. Ca.lxxxv.

THe diſmembrynge of the fyngers that cometh lyghtly and is lyghtly ſet in / yf he be bruſyd than helpe hym thus ſtretche yͤ fynger as I haue lerned in the nexte chapytre / ⁊ lay theron this plaſter folowynge. ¶ A plaſter.

¶ Take beene meell / or ote meell .xii. ounces / maſtyck / dragantum / gumme of Arabie of eche an ounce / make therof a ſotte plaſter with the whyte of egges / and laye it theron and bynde it ther aboute / and let it be boũ be vnto yͤ .iiij. daye / and bynde hym agayne tyll he be hole.

¶ Of the dſymenbrynge of the bonys of the hyppys. Ca.lxxxvi.

AVicē. ſayth as this dyſmembrynge of yͤ hyppes is inward ⁊ forwarde / than the legge is longer than otherwyſe / and the pacyent ſteppeth vp the hole ſete / and he maye not bowe forward / that heed of yͤ thyghe is gone inward in the lyſke / and in yͤ vtter yt is holownes In yͤ dyſmēbryng afterward and outward cauſeth the legge be yͤ ſhort / and the pacient may not ſet his heele on the ground / The cure therof lerneth Albucaſis / and is ſore ꝓfytable to all maners and ye ſhal the ſyke faſt holde by yͤ ſhulders or he ſhall be bounde ouer the ſhulders on yͤ thyghe / with a band on a wyndas / and the other band a bowe yͤ knee on the ſame wyndas / than pull the membre out with the wynde / ⁊ wͭ the hãde ryghte it tyll it be ſet in / The fyrſt dyſmembrynge wyche is inwarde ⁊ before ſhal the pacyent be puleth / ⁊ with the foote or knee dryue it in agayne As the dyſmembryng is outwarde and behynde / ſo ſhal yͤ pacyent in lyke wyſe be pul. that the heyth with yͤ kne be threſt inward and the holnes maye come out / and for this dyſmembrynge lyghtly to ſet in agayne / ſo muſt ye haue a table longer than the pacyẽt and make on euery end a wynde / and in the myddes vnder the backe and on yͤ belly ſhal the pacyent be bounde on the wynde with a longe towell / and wͭ an other ſhal be boũd on the knee / and wynde about yͤ hoole pype with the towell vnto the foote / and ſhal be bounde ſo on the other wynde and than ſhal ye wynde with bothe the wyndas togyder and ſet that bone of the pacyent in agayne / and than the byndynge of this ſhall be lyke as it ſtande afore in that chapytre of dyſmẽbrynge from the vppermoſt arme of the adiutorium / but it ſhall be bounde faſter.

¶ Of the dyſmenbrynge of the knee ſhynes. Ca. lxxxvij.

AS theſe dyſmembrynge is done / than ſhall ye cõmaũde the pacyẽt to ſtande vp on bothe his feetes / ⁊ holde hym his place / and therafter bynde it with a plaſter of ſyeer meele of beene meele lyke as I haue lerned you / and breke hym all .iiii. dayes onys / Is ther a woũde ſo do as I haue befoꝛe lerned you / wͭ byndyng / with defenſiuum / with blood lettyng / and with meet and dꝛynke &c.

¶ Of the dyſmembꝛynge of the knees. Ca. lxxxviii.

⁂

Alſo ye ſhall knowe that ẏ knees cometh lyghtly out the mẽbꝛe / and is lyghtly to ſet in agayne / It gooth often tymes agayne in / ſo ſone as ẏ pacyent ſlept on ẏ feet / If it goo not ſo in agayn / thã ſhall the ſurgean haue one ſeruant / whiche ſhall pull the legge / in ẏ tyme that he pulleth ſhal ye ſet in agayne the kne Thã lay therouer a clothe dept in roſe oyle / and on that clothe lay the plaſter of Beene meel / and Dꝛagons blood / as I haue ſayd often tymes befoꝛe / Ther ouer ſhal ye bynd with one longe bande / and thyn plumacioles of towe dept in the whyte of egges / lyke ſtandeth in the .lii. chapytre / and ther ouer bynde / as is afoꝛſayd / Is ther a woũde is ſhall be bounde that it maye be ſẽne euery daye / Alſo may ye the dyſlocacyon and dyſmembꝛyng of the knee and anclowe lyghtly ſet in agayne with a wynde / lyke the pycture heere after folowynge ſheweth.

Heere after foloweht an inſtrument in pycture foꝛ the knee oꝛ anclowe lyghtly to ſet in agayne that is out of the joynt

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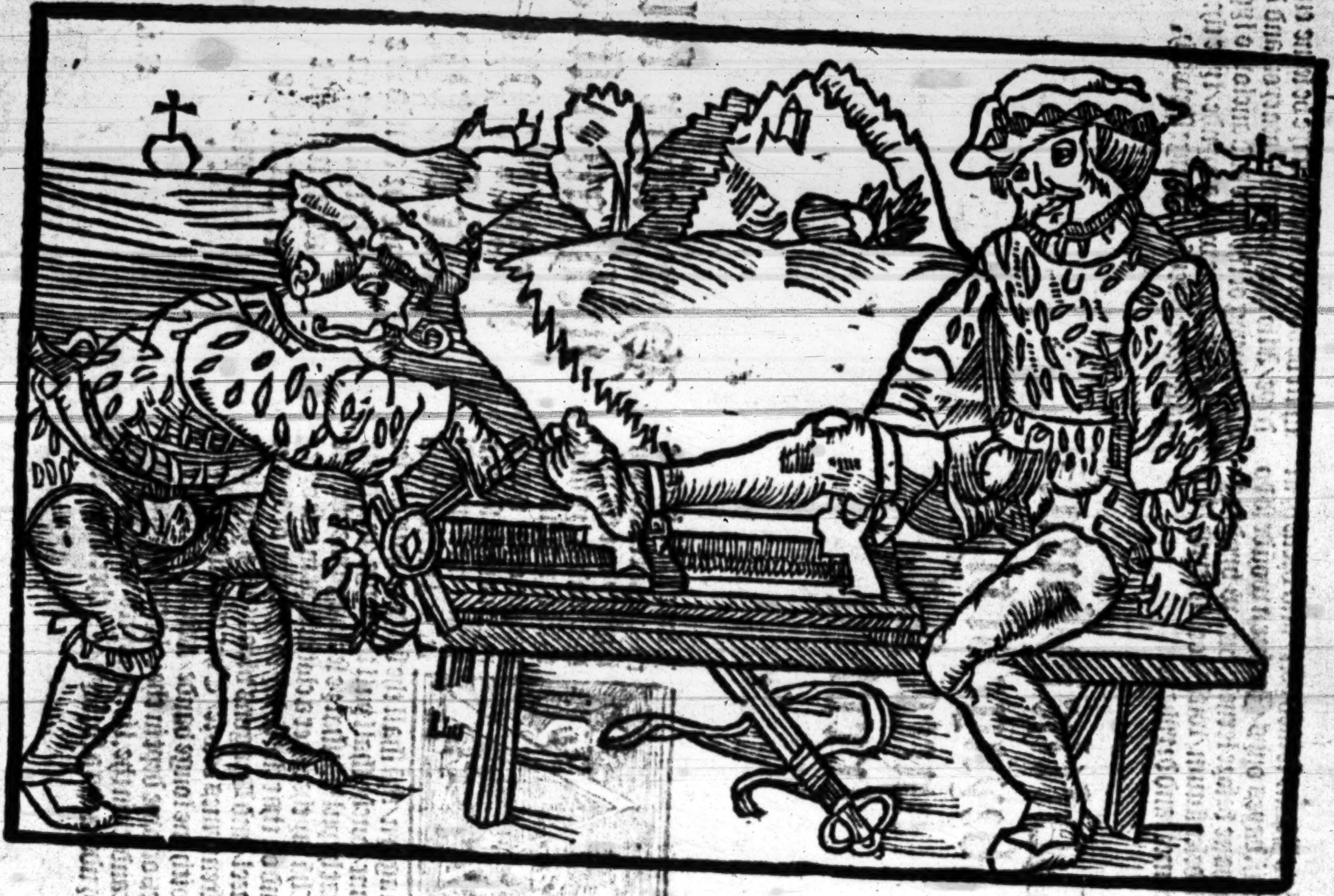


¶ Of the dyſmembrynge of the feete. Ca. lxxxix.

The dyſmenbryng of the feet is ſodenly done / & ſhortely ſettin agayne / and it is heuely to make faſt / for the many bonys yͤ the ioynt makyth / The token therof is the hyghnes of the out comynge bone / and the payne and leſynge of the meuynge / & ryght this bonys & ſet it in as euen lyke as ye can / ye may not that membre to moche ſtretche / of ſuche ſtronge ſtretchyng ſhuld come ſo moche payne / that therof ſhuld come an impoſtumacion / therfore ye ſhall the feet ſoftly ſtretche her and there turnynge / and wͭ the other hand ſhall ye yͤ hyghnes therein ſettin agayne / tyll it may come in his ryght place / and as it is made euen / than wynde rounde aboute the foote a clothe that well dept in warme roſe oyle / that ſtrengthe the vaynes and takyth away the payne. Ouer the clothe lay the plaſter of beene meell and dragōs blode / as is wryten in the chapitre of the inſettynge of yͤ leg. Than ſalue the leg with that defenſiuum as ther comyth no impoſtumaciō to / and ouer the plaſter ſhall ye lay plumacyoles of towe and ther ouer ſplyntres / & therafter ſhal ye bynde the feet well / and lay the fote hye / ſo that the leg may the better defende from the impoſtumaciō / ye ſhall dres hym .iiij. or .v. dayes but ones / ye ſhall holde yͤ foote .xxx. or .xl. dayes longe in reſt.

Of the dyſmembrynge of the bone on the feete. Ca. xc.

Set this membre in agayn in his ryght place / than lay there ouer yͤ plaſter / of cyceer meele or rye meel .xij. ouc. dragons blode / maſtick / dragantum gūmi arabici / of eche .ij. ouc. boly armeni / mumie / of eche an ouc. this medle togyder wͭ the whyte of egges. thā bynde hym but not to faſt. And ſalue the fote wͭ defenſiuū / And ſalue hym at laſt wͭ dyalthea / & there ouer one oxirrociū. ¶ Ite is ther a ſhulder, hyppe / legge / knee / or fote out of the ioynt & is become harde / for the longe beyng out of the ioynt. And wyll you it ſettin agayne thā take lynſeed / & dowys dowrgh / & make it clene from ſtraw / chyppe / & [illegible] / & ſeethe it well wͭ gotys melke in a pott / and ſtrype it on a cloth / & lay it on the membre / and it ſhalbe ſofte in .iiij. houres. than ſet ſoftely the mēbre agayn in his place with ony of the inſtrumētes that beſt ſerueth to yͤ membre as it ſtandeth in picture. of [illegible] ked legge after the xix. chaptre. of yͤ crok [illegible] arme after the .xviij. chaptre. of the croked knee after .lxxvi. chaptre. and wyll the ioynt or membre abyde to ſoft / than make a clote wet in rynnynge water and wrap it about the ioynt or membre / & it wyll make it faſt agayn.

Of the harde ſtyf and croked membrys how and in what mānter they ſhalbe cured or helpen and ryghted. Ca. xci.

It happeneth ſomtyme that after yͤ helynge of a woūded ioynt or membre that it abydeth croked / ſtyff / or hard / than ſhall ye the membre or ioynt bathe ſaſtmakyng with olde oyle/ and with water yͤ is meetely warme lyke melke warme that is fyrſt molken/ and bathe the membre with a grete ſponge/ and therafter ſhall ye bathe that membre with papple and hye mallowe rootes. v. or. vi. dayes/ therafter take any of yͤ a fore ſet conterfayte inſtrumentes/ as the inſtrument of a croked arme ſtādynge after the. xviij. chap. or the inſtrumēt of the croked legge after the. xix. chap. ſtandynge. or the inſtrumēt of the croked knee ſtādynge after yͤ. lxxij. chaptre. of this inſtrumentes take yͭ you ſerueth beſt for yͤ mēbre. And ſtretche therwith euery daye a lytell. Therafter ſalue it with the ſalue folowing after this after wryten bathynge/ and this bathynge make thus/ ye ſhal ſeethe yͤ heed & feetes of a gylded wedder/ therwͭ bathe the membre And yf it not therwͭ amēde thā wette a clothe in the ſame ſop & lay it about yͤ mēbre & bathe it therwͭ/ Or take a grete ſponge wette in the ſame ſop & laye it warme theron. And ſo oftē as ye the membre bathe/ or lay theron the clothe/ or yͤ ſponge/ ſo often make a fyre of ſaw duyſt meel therby let drye yͤ arme or legge. & as the mēbre is dryed/ than ſalue it by the fyre of the ſawe meell wͭ this ſalue of hogges greſe/ grape greſe/ of eche. viij. ōnc. kapōs greſe/ yͤ macy of a calf/ freſſhe butter/ oliū nucis iudaice/ oliū ſyſamini/ oyle of ſwete almons/ ſlime of hye malowes/ ſlyme of lynſeed/ ſlyme of fenygreke. iiij. oūces. ſtoracis calamite/ bdelliū gumi/ yſopi humide/ of eche an oūc. the greſe melte/ & it maye not touche ſalt/ & as it is melted than do therin the oyles and the ſlymes/ and make therof a ſalue.

¶ An other good ſaſtmakynge.

Sethe lynſeed/ &. xij. fygges. thā take ſour dowgh/ &. ij. roſted oynonus. muſterd ſeed doues donge/ barly meele/ of eche lyke moche/ that ſtampe al to gyder in a morter thā do therto a lytell oyle olyue thā it ſhalbe a plaſter and lay it ther vpon.

These plaſter is alſo good to all ſwelynge and impoſtumacyon. And can he not go to the draught in this ſykenes/ thā make this bathe of papple/ watercres or genaciō in latyne/ parydane/ edera arborea/ camomyll floures/ of eche an hādeful/ this do al to gyder in a lytell lynē bagge & ſeethe it in water/ in yͤ water ſhall yͤ paciēt hym bathe to the nauyll. & ſo goth the ſwelynge away through the draught goynge & through the vryne. And yf it goth ſo awaye/ than ſeeth barly in water & do therin a lytell hony and gyue it the pacient to drinke/ than ſhall the place inwardely be clenſyth.

¶ How the cōſumynge mēbres ought to be holpen and cured. Ca. xcij.

With a wollen clothe and wͭ water of the ſtyngynge nettylles ſhal ye fyrſt rubbe yͤ membre or ioynte. iij. or. iiij. dayes/ & euery day ij. or. iij. tymes.

The ſeconde ye ſhall ſette ventoſes or boxes about the ſore/ and take them of agayne/ yͤ ſhall ye do. iij. or. iiij. dayes longe without prykynge. The. iij. yf he haue in the ioynte great payne/ than ſhall ye make hym this water. Take the lyuer/ yͤ hart/ and the tongues of a blacke calffe ther wͭ chap ſage. ij. handful/ and mengle it with yͤ ſame calffes blood that it may be moyſty therwith/ & do it in a ſtillatorie which is called alembicū and dyſtylle water therout/ therwith waſ-the ẏ mēbre euery daye .iii. oꝛ .iiii. tymes ⁊ ẏ ſhal helpe hym. ¶ The .iiii. whā ye haue done this afoꝛeſayd/ than ſet hym in a bathe ſtewe ⁊ ſet on hym the ventoſes oꝛ boxe/ and garſſhe hym/ but ſet the ventoſe no moꝛe vpō and anoynt ẏ garſſhynge ⁊ all the membꝛe with this ſalue folowynge.

¶ A Salue.

Take aqua vite/ gōme euforbii/ long peper made all in powder ⁊ myxle them togyder that they be not to thycke/ afterward laye this plaſter on ẏ ſoꝛe/ ⁊ gyue hym euery daye a freſſhe plaſter.

¶ Another good plaſter to the ſame.

Take creuyſſhes ⁊ ſtampe they with ẏ ſhelles ⁊ all the body/ than ſtryke it on a blewe woollen clothe and lay it on the ioynt/ wherby the ioynt ſhal become full of blaynes/ ⁊ ſalue the ioynt wᵗ the afoꝛeſayde ſalue/ and this plaſter is ſhoꝛtely ſole ⁊ ſtynking/ therfoꝛe ye muſt lay theron in .iii. dayes onys a freſſhe plaſter agayne.

¶ Another proued experiment to the ſame.

Wynde about that membꝛe ther it is conſumed a roope of here/ and let it lye theron as longe as he may ſuffer it. that do at the leeſt .iii. oꝛ .iiii. tymes in .iii. dayes. And afterwarde ſet hym in a bathe ſtewe/ ⁊ ſette ouer all the place ther it is conſumed ventoſes oꝛ boxes and let them ſtyll hange theron/ and whā ye take them of/ thā ſet them no moꝛe vpō. ⁊ anoynte hym wᵗ the ſalue folowyng.

¶ A Salue.

Take vnguētū agrippe/ aragō/ marciatō of eche .iiii. oūces. caſtoꝛye oyle/ muſtarde ſede oyle/ of eche .ii. oūc. Jenuper oyle .vi. oūc. oliū lauri .iiii. oūc. dogges greſe .ii. oūc. put all theſe togyder in a panne on the fyꝛe and ſtyꝛe them wel/ and do therin this powder of longe peper/ euforbium/ of eche an oūce. whyte muſtarde ſede/ halfe an oūce. and than put therto aqua vite that it be not to thicke/ ⁊ let it ſet togyder/ ⁊ ſalue hym

This ſalue folowyng ſhalbe takē laſt to the cōſumed membꝛes.

Stāpe the rootes ⁊ herbe of wylde ſanicle oꝛ diapēſie agreſtis in latyn in the monethe of maye/ wᵗ maye butter/ ⁊ let them ſtande .iii. dayes longe. ⁊ than ſethe it ſoftely ouer the fyꝛe/ ⁊ ſtrayn it agayn thꝛough a clothe ⁊ this maketh to growe fleſſhe and blood.

A ſereclothe after ẏ the membꝛe is bꝛought in his fyꝛſt foꝛme

¶ Take waxe .iiii. oūces/ whyt roſel/ maſtick/ armoniacū/ of eche an ounce/ oyle of caſtoꝛy/ oyle of cannomylle of eche half an oūce/ woꝛwode (oꝛ abſintium in latin) fenigreke/ comyn of lombardie/ of eche a dꝛagma/ vynegre .viii. ounces. And make it in powder that ſhall be powdꝛet/ and myxle it togyder/ and make therof a plaſter.

¶ A fayꝛe conynge to this ſame

Do a ſmall kettell full of warme water to a crane as the barbours occupye/ and hāge it a mānys length hyghe oꝛ hygher ouer the pacyent/ and the pacyent ſhall ſyt vnder the ſayd kettell/ ⁊ he ſhall lay that conſumyng mēbꝛe in a baſen/ oꝛ in a payl/ oꝛ in an other veſſell/ ſo as ẏ place be not wet ther he ſhall ſyt/ and the crane ſhall be tourned that it may dꝛope a lytell out dꝛope by dꝛope folowynge and fallynge/ on that conſumynge membꝛe/ and of the ſame dꝛoppyng cometh the bloode in ẏ ſame place ther as ẏ warme water falleth on the membꝛe/ and ẏ warmnes cometh in that mēbꝛe/ and that is called an embꝛocacie/ Therafter ſalue that mēbꝛe with ẏ afoꝛeſayd ſalue/ and lay theron a warme plaſter.

¶ An experte plaſter ſeruynge to the ſame.

Take whyte roſyn / turpentyn / black pytche / ana & melte thẽ to gyder / do therto a lytell. Mummie as ye thynke beſt / after ye wyll make lytell or moche / & ſtryke that on a clothe of cotton / & lay ẏ plaſter on ẏ membre. This plaſter ſhall not lye theron but iiij. houres / for it draweth the blode ſtrongely to hym.

Therfor ye ſhall oftẽ chaũge ẏ plaſter / And as often as ye wyll chaũge it thã warm it in a ſmall pot / & lay it theron agayn. Or ye lay on the plaſter / ye ſhall ẏ aforeſayd ſalue ſet in a ſmall pot by the fyre / thã warme your hande & the ſalue / & rubbe the arme or other mẽbres therwt / after warme ẏ plaſter on ẏ fyre & do it ſo warme about the arme / than ẏ arme amendyth / ye may alſo occupye in all maner the water of the calfes lyuer in lyke wyſe as the ſalue / & alſo warme / thã it is good / & of this plaſter ye ſhall wounder. ſe. I ſhold wryte how the mẽbre ſhalde be bete wt roddes or nettels / lyke ẏ comõ barbours do / but I haue ſene lytell profyte comynge therof / therfore I wyl not wryte of it. But I take in my begynnyng for the roddes & nettels nettyll water thã blew wolle cloth and rubbe the mẽbre therwt as is aforeſayd in this chap. & that I here wryte haue my ſelfe occupyed / & ẏ laſt medeſynes ben ẏ ſtrõgeſt.

¶ For vaynes ſhronke after ẏ helynge

Take ẏ bladd wt ẏ uryne of a wylde hogge & in the bladder do ſom of his greſe hangyng it in ẏ ſonne. xii. dayes longe or more / thã ruweth therof a ſalue / therwt anoynte ẏ mẽbre.

¶ Another Salue

Take blacke ſope. iiij. ũces. iiij. yolkes of egges / rotes of whyte lylyes clenneſt ã pery iiij. ũc. neates feet oyle / & ſtyre it togyder an houre lõge or more / therwt ſalue ẏ membre ther the dyſeas is by ẏ fyre / & it ſhal amende

¶ How you ſhall ſtaũce blode / and cõſume it that is come with a fall / or ſtryken with a blonte wepyn as with a clobbe or ſtaffe / or other inſtrument not edged / nor cuttynge. Ca. xxiiij.

IN the begynnynge as one hath fallen / or is bredynge that the blode is engelyd and clotted to gyder / thã let hym ſhortely blode on the nexte place of the hurtyng / thã make this powdꝛ.

¶ A Powder.

Take terre ſigillate / mummie / boli armeni / of eche an oũce. therof gyue hym euery daye in the mornynge. v. or. vij. dayes longe. one dragma. wt. ij. oũc. of plãteyn water / ẏ maketh departyng of the engelyd blood / & ſtoppeth the vaynes whẽ it cometh out. ¶ Wyl ye ẏ the engeled blode departe. gyue hym of this powder folowynge euery tyme a dragma. wt. ij. oũc. cheruell water or Cerifolii in latyn. Take ſperma ceti. iij. dragma. mummie an oũce. terre ſigillate / boli armeni / of eche halfe an oũce. ¶ If ye wyl ẏ it ſhall go out through the water / thã do therto ẏ eyes of creuyſſhes halfe an oũ. [illegible] one dragma. ¶ If ye wyll ẏ it go through the draught goynge / than leue out the powder of boli armeni and terra ſigillata. & do therto rebarbara half an oũc. that dryueth out the engeled blode through the draught goynge. ¶ And yf ẏ pacient be pore & may not paye therfore / than take for ẏ rebarber / [illegible] half an oũce / & gyue hym half a dragma in the [illegible] water & more [illegible] at euery tyme an oũce / [illegible] warme.

¶ As a parſone hath engeled blood in the mawe/ or in ẏ guttes/ ſo let hym make this pylles/ If he be ſtronge/ ſo gyue it hym at ones/ If he be feble than gyue it hym at twyes Take Rebarbere one dragma. Mumie. vi. barly cornes heuy. and make therof pilles wᵗ wyne. If ye haue not this/ or yf he be a pore man/ than gyue hym blacke coles of elme wode/ eyes of kreefyſſhe/ leues of charuyll dryed/ or cerifoliū in latyn. of eche lyke moche/ ⁊ make therof a powder/ ⁊ gyue the paſient therof half an oūce wᵗ a lytell vynegre. or gyue him groūd wormes ſtāpt wiht okē coles mydled wᵗ vinegre/ ⁊ ſtrayne it through a clothe/ ⁊ do therto Rubetinetorū dryed. iiij. barly cornes heuy.

¶ Howe you ſhal helpe hym or them that throughe ſuche a fall/ ſtroke/ or chaunche/ be faynt or feole. Ca. xciiij.

The parſone that is beten or fallen/ ⁊ hathe therof a ſtoppyng in the breſt of the moyſtnes after folowynge/ whyche gothe forth to the inwarde payne

¶ As ſuche paciēt is let blode/ ⁊ the blode is ſtopped and dryuen out/ then ſhall ye gyue hym this recepte folowynge.

¶ One recepte.

¶ Gyue hym Syropi violarū/ Dragagantū frigidū. Lolac de papauere/ Succer penidiarū/ of this he ſhall aete at marowe ⁊ at euenyng/ at euery tyme a dragma/ This recepte ſhalbe made at the appottecaris/ ⁊ is wrythen thus. Recipe ſpecierū electuarij degumis ſiue ſpecies a dragma/ ſpecierum diadragātū frigidum. ii. dragma. manus chryſticū perlis. vi. dragma. ſirupi violarꝫ a dragma. ſuccer penidia cum. iiij. dragma.

¶ If any man be fallē or bruſyd wherby he perbraketh/ ⁊ the meet ẏ he taketh maye not abyde in hym/ than gyue hym to drynke in the mornynge and euenynge Sirupi citoniorū. and anoynte the mawe wᵗout with oyle mirtillorꝫ/ ⁊ with oyle macis. ⁊ ſtraw ouer the oyntemēt ẏ powder of rede corall/ or gyue hym ſuger of vyolet an oūce temperyd wᵗ bolo armeno. xx. barley cornes heuy wᵗ this ſyrupe hereafter wrytē/ made wᵗ herttong leuys or foliis ſcholopendre in latyn/ planteyn leuys/ of eche an oūce. ſoddē in a quarte of water tyl it be halue conſumed/ thā ſtrayne it/ ⁊ put therto ſuger. iiij. oūc. whyte lylye water. iij. oūc. ſcabioſe water. ii. oūces ⁊ this ſyrupe maketh the breſt rume ⁊ large

¶ If ony parſon haue fallē wherby moche blood is ſpylte ⁊ the parſone ſore febled.

¶ A powder for to drynke

Take yelowe eyeſtone/ bol. armen./ balauſtie/ ſanguis draconis/ Lacca/ of ech [illegible] moche/ made all in powder/ ⁊ gyue it the pacyent to drynke. iij. dragma of ẏ ſame powder wᵗ water wherin is ſoden ſumac. x. barly cornes heuy. This medecyn ſtoppeth ſone the blode/ ⁊ cōſumeth it haſtely as the paciēt taketh meet whyche ſtoppeth.

¶ Howe you ſhal helpen hym that is fallen or betyn/ and yf his blode be ronne/ or engeled lyke cruddys/ ⁊ the fleſſhe bruſyd. Ca. xcv.

Here ſhall ye lerne to defende ⁊ to make faſt the place ẏ is hurte/ that ther come no ipoſtume/ nor ſwellyng/ nor other euyll accident. ¶ The fyrſt. as one is fallen from an hyghe place/ or ſore beten/ yͭ he hath loſt his ſpeche/ or yͭ he hath his ſpeche but ſpeketh folyſſhly/ than is in doughte that yͤ brayne ⁊ the membres of the heed be peryſſhyd.

And Auicenna ſayth the wytte of vnderſtādynge ſhowyth the helte of the brayne/ yet it is needly to ſerche/ if he be deed or alyue/ whych ye ſhal knowe by felynge the pulſe/ callyng hym/ ⁊ pullyng hym by the eeres/ and take fyne towe/ or kemyd wolle/ and holde it at his mouth/ ⁊ afore his noſe holys and ſo ſhall ye ſee yf the wynde come out or not/ and yf ye ſee one good token yͭ the breeſt ſteryth ony thynge/ than make hym to neſe with peper/ ⁊ euforbio/ and rubbe his membres with vynegre/ and with herbe a grace and make hym bleder with the neſynge/ and as he is come by one maner to hym ſelfe/ thā let hym blood/ and glyſter hym as I haue lerned you. ¶ If the pacient be hurte in the brayne/ than folowe yͤ lernynge of the bruſyng/ or contuſion of the heed/ but yf yͤ hole body be bruſyd or hurte/ than anoynte all yͤ hurte place with oyle of roſes/ or with oyle myrtyllorum/ and ſtrawe therouer yͤ powder of myrtyll/ as is afore ſayd of the woūdes with the bruſynge/ Som layeth ſuche a paciēt in warme horſe dounhe/ ⁊ letteth hym therin ſwete/ and yͭ helpeth hym/ but Hali abbas/ and Auicenna byndeth hym in a ſhepes ſkynne that is freſſhe and warme/ yͭ is vleene anone/ and ſtrawe yt with a lytel beten or ſtampte ſalte/ ⁊ let hym lye therin a hole daye/ and the other daye he ſhall be hole. ¶ In the out pullynge of the blood the workemayſters hath wrought after yͤ coūſell of Hali abbas/ ⁊ the place ſhal be made ſtrounge with a clothe depte in colde water and lay theron/ but I was wounte to do in that water moche ſalt and wᵗ a blew wolle cloth/ that I fyrſt and often layde on yͤ membre/ for it conſumyth the engelyd blode/ and maketh the place faſt/ and as he is ſtronge than make the body to ſwete with hote gere ¶ And yf it holpe not/ thā cōſume it in this maner hereafter wrytē/ it ſofteth the payne of the engeled blood/ ⁊ openeth yͤ ſwetynge holes.

¶ A Salue.

¶ Take dialthea. ij. oūces/ boli armeni one oūce/ oliū myrtyllorū/ oyle of comomylle/ oyle of roſes/ oyle of dylle/ of eche. iij. ounces/ myrtylle in powder. ij. oūces/ wax. iij dragma melte theſe togyder/ and than doo yͤ powder therin/ and therwith ſhall ye ſalue or anoynt yͤ pacyent/ in lyke wyſe doth this medeſin/ that is often proued in the ſcole of bononie/ pryncypally on hym that is beten and yͤ ſtrokes be not deep/ than take a ſhepe ſkynne warme from yͤ ſhepe/ ⁊ ſtrawe theron ſalte made in ſmal powder. ij. ptes. kyſſ ſeed in powder one parte/ ⁊ lay the ſkynne warme on his body. ¶ And for the conſume that engeled blod. Take verys ſoope ſmall cut. iiij. ounces/ vnguentum dyalthea. iij. ounces/ melted togyder/ and ther with ſalue or anoynt the pacyent at mornynge and euenynge/ and yf the ſtroke be great that yͤ ſkynne is ſwollen/ than cut the ſkynne opē/ and drawe that blood out/ than hele it as another wounde.

aqua

¶ A drynke that heleth yͤ fleſſhe wᵗin vnder the ſkynne/ ⁊ dothe depte yͤ engeled blood.

¶ Take Sarcocolle albe one dragma/ ſumac. ij. dragma. alumē ciſi one dragma. rubetinctorum. xl. barly cornes heuy/ planteyn water and wyne wherin is ſoden maſtick of eche. xij. oūces/ hony. iij. ounces medle theſe togyder/ and gyue the pacyēt to

For the [illegible] take iii ounces off oyle the bay and
powders of bays ii ounces and ii ounces of [illegible]
[illegible] but fast take [illegible] about the [illegible]
[illegible] fifteen [illegible] and the [illegible]
[illegible] and then [illegible] to gether and
[illegible] of

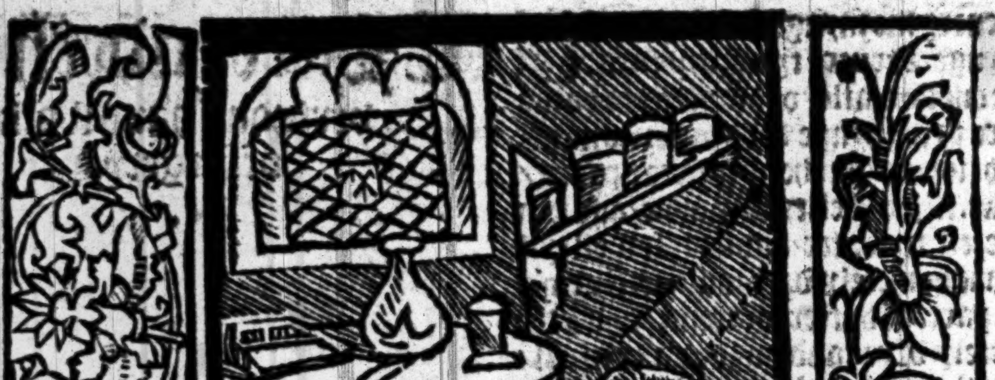
drynke euery mornynge faſtynge/and late at euenynge/at euery tyme.iii.oũces. ¶ If there be one ſore falle/or beten on his backe and there is nothynge broken nor no membre out of ioynte/and he hath great payne/than take.iii.buſſhelles of branne/and ſeth it in a ketell wt water/and ſtyre it well tyll the branne be metely drye/and put therto a certayn parte of butter/or creme/and ſethe that metely drye/and do it in a kymnell/and laye the pacient therin on his backe as hote as he maye ſuffer it/and as it begynne ware colde thã do therto more out of the ketel.this do at mornynge/at none tyme/& at euenynge/and at euery tyme as he cometh therout and is drye/thã ſalue hym & rubbe hym with vnguentum dyalthea that may ſucke thrugh yͤ ſkynne/and it were good to do therto walt rothe(or ãbra in latyn) And there is nothynge better as a mẽbre is hurte or fallen yͭ ye take in the begynnyng hempe ſeed well ſtamped and a lytell water therto And yf the water ware of the herbe named ſtorckes bylle (or herba rubea in latyn)it were very good to lay that on yͤ hurte place ii.fyngers thycke betwene.ii.clothes/and at euery tyme as it is drye/than lay theron another/that heleth without payne. ¶ As ony is beten in his face that it is blewe/thã ſtryke yͤ blewe place.ii.or.iii.tymes wt yͤ ſappe of yͤ rote of wylde ſaffrã/or cartam ĩ latine or take ſappe of ſigillũ ſalomonis one dragma/vnguentũ albũ one oũce/the whyte of egges half an ounce/al this mydle togyder and ſtryke yͤ blewe place ther with at mornynge/at none and at euenynge.

¶ Here endeth the vertuous hand worke of ſurgery.

∴

¶ Here after foloweth the Antidotharius in the

whiche thou mayſt lerne howe
thou ſhalt make many and dy-
uers noble plaſters/ſalues/
powders/oyles/and
wounde drynkes/the
whiche be very neceſſary and be-
houe full/vtyll and profytable
for euery ſurgion therin
to be expert/and
redy at all ty-
mes of
nede.



One apoſtolicum ſalue.

IN the fyrſt make an Apoſtolicum Salue after the Antithodario Nycolay.

Take Litargiriũ. xii. ounces. grekes pytche rede waxe/ of eche. iiii. oũces okẽ myſtyndyn/ whyt waxe of eche. ii. oũces. armoniacũ/ magnete ſtone which is callyd ẏ leed ſtone/ of eche an oũc. & an half. Sarcocolle/ Squama eris/ Dyptan/ Ariſtologia longa/ Spanyſſhe grene/ Apoponatũ of eche. iii. dragma. whyte Frankenſence/ maſtyk/ of eche. ii. oũces/ turpentyne/ galbanũ/ bdelliũ/ myrra/ brent coper/ of eche iii. dragma/ that litargirium ſhall ye ſtampe in powder/ and therto do viii. ounces of oyle olyue/ and let it ſede togyder on ẏ fyre that it be thycke as waxe/ and that ſhall ye drope on a ſtone/ in a proue/ than do therto the turpentyne/ that whyte and rede waxe/ as that is melted/ than do therin the galbanum/ appoponatum/ bdellium/ ſarcocolle/ weked one nyght in vynegre/ ſoden/ & ſtreyned/ & than put it therin togyder/ and than take it from ẏ fyre and do therin the gõmes

And as it be warme / than ſhal ye do therin all the other parcelles the one after the other made in powder / and ſtyre it tyll it be colde and than may ye make it in rolles.

¶ One epicrocium plaſter.

¶ Of this plaſter wryteth Nicolaus in his antidotarie / & this is nedeful to euery good ſurgian. ¶ Take ſaffran / ſhype pytche ſtreyned / grekes pytche / newe waxe of eche .viii. ounces / turpentyne / galbanũ / armoniacum / myrre / maſtyk / whyte frankencence of eche .ii. ounces and .iii. dragmes. This plaſter make thus / melte the waxe / ſhyppe pytche / grekes pytche / turpentyne / & melte it togyder / whã þ is molten do therin galbanũ / armoniacum / one nyght ſteped in vynegre / ſodẽ and ſtreyned & do it therin. Than ſhal ye ſethe it agayne tyl þ vynegre be conſumed / and ſtyre it wel togyder / and than do therin the other parcelles made in powder / & ſtyre it tyl it begyn to wax colde than caſt it vpon a colde ſtone / and ye ſhall anoynt þ ſtone fyrſt w oyle of bey leues (or oleum lauri in latin) and than worke the ſaffran therin / & whan ye haue ſo done than may ye make rolles of it.

¶ One diaquilon plaſter.

¶ Make this plaſter after the Antidotario myſne. ¶ Take lytargerium .xxiiii. ounces / oyle of blewe lylyes / oyle of camomylles / oyle of dyll (or anetum in latin) of eche .xii. ounces / lyneſedes ſleme / fenegrekes ſleme / hye malowe rotes ſleme / ſleme of fyges / ſap of yrios / ſap of meerſybelen / the ſwete loden of the wolle that hangeth by twene the legges of þ ſhepe / byrd lyme (or viſcum quercini in latin) of eche .xvi. ounces / turpentyne .vi. ounces / whyte coſyl / yelowe waxe of eche .iiii. ounces / take lytargirium & make it in powder and dreſſe it w þ oyle ſlemes and greſe / that it be thycke as waxe as it is dropped vpon a ſtone / thã do therto that waxe / coſyll / turpentyne / and as it is molten togyder / than ſtyre it togyder tyl it be colde / and therafter make rolles of it w oyle of whyte lylyes.

¶ A ſerecloth plaſter.

¶ The ſere clothe plaſter is very good to al membres that is out of the ioynt / and the cõſumyng mẽbres / or whiche is greued with colde moyſtnes / that conſumyth and ſtrengyth the mẽbre agayne in his ryght powre. ¶ Take waxe .vi. ounces / coſyll .iii. ounces / maſtyk .ii. oũces / armoniacum / galbanũ / whyte frankencence of eche an ounce and a half / oyle of byuergeylle (or oleum caſtorii i latyn) oyle of camomylle of eche an c. fenegreke meele / meele of warmwode / meele of lombart comyn / meele of camomylle flowres / made all this in ſmall powder of eche a dragma / vynegre .v. or .vi. ounces / melte the coſyl / waxe / and the oyle togyder / than do therin the galbanum / and armoniacum ſteped in vynegre and ſtreyne it / and at the laſt do therto the other parcelles / þ is made in ſmall powder / and ſtyre it well togyder tyll it be colde.

¶ Of the grene woũded plaſter.

¶ The good grene wounded plaſter that þ newe ſurgyans occupie / that heleth al freſſhe woũdes without tentes / and it is a mũdificatiuũ & cõglutinatiuũ. and a cõſolidatiuū / And this plaſter is of many & dyuers maners of ſodry mayſtres made / ſome take moche roſyll / and lytell ware / ſome moche ware and lytell roſyll / and ſome take ware and roſyll lyke moche / & ſome take no roſyl at all / Therfore ye ſhall knowe as ye wyl that this ſame plaſter ſhall more hele than clenſe lyke as it is nedely in the wounde of the heed and in a ſymple wounde / there as no ſubſtance is loſt / If that ye take more ware in weyght ſo moche ẏ leſſer take of roſyl in weyght / & let them twene euery tyme in his weyght / and as ye wyll that it clenſe more takynge to hyr the matter / lyke as a depe ſtyched wounde whyche maked moche matter / than ſhall you take more roſyll thā ware / as I haue ſayd / yf ye wyll that the plaſter ſhall make fleſſhe to growe / & ſhall ſerue to al woūdes / whyche ſomwhat hath loſt of his ſubſtāce / than take roſyl / & ware of eche lyke moche / or yf ye wyll ẏ it make the ſkynne and that the woūde ſholde cloſe than take ware alone and no roſyll / and as in this plaſter is moche / roſyl & lytyll ware than is it callyd a mundificatiuum and attractiuum that is clenſyng / & drawyng out ẏ matter / yf there be therin moche ware & lytyll roſyll / than is it callyd conglutinatiuū / that is togyder leuynge and cloſynge of the wounde / and yf there be therin ware and roſyll lyke moche / thā is it callyd incarnatiuū / that is fleſſhe makynge in the wounde Or yf there be therin ware & no roſyll / thā it is callyd conſolydatiuum / that is helyng and ſkynne makynge. And this plaſter is made thus. ¶ Take reſine de pino that is whyte roſyl / mayden ware of eche two poūd / & ẏ roſyl whych is clere as turpētine here ſuſt of eche .iii. oūc. grekes pytche .iiii. oūces / ſarcocolle ſmal and great of eche .iii. ounces / turpentine half a pounde / maſtyk whyte Frankenſence of eche .iiii. ounces / Dragantum / Gommi Arabici / Galbanū / Armoniacum of eche one ounce and a half / Storacis calamite .ii. ounces / Storacis liquide .iiii. ounces / And take the iuyce of this herbes ẏ ye can get / wynter grene ſmal and great or Pyrola maior et minor / Sanicle (or Diapenſia in latin) [illegible] / Veronica maior et minor / herba ſaracenica / herba ſolſequii / ſolida minor / moder wort or arteniſia in latin / plantayne ſmall & great / betonica / agrimonia ſecaria / matriſilua / balderiō / yarowe or centifoliū in latin / ſage or ſaluia in latin / Verbena / mouſeere / walwort or ambra / of this herbes take ſap .ix. poūde & no leſſe / but rather more / by cauſe to eche pounde of the ſubſtance of this plaſter be longyth full .iii. pounde ſappes / That ſap / whyte Roſyl / ware / Hertes ſuet and Roſyll / and Colofonia / ye ſhall ſethe in a kettel ouer ẏ fyre without flame or ſmoke tyll two partes therof be conſumed / than do therin Turpentyn / but the gommes as dragantū / gommi arabici / galbanū / armoniacū / this ſhal be fyrſt ſteped one nyght in vynegre of roſes / & as it is ſoden a walme or .iii. thā ſhal ye the other gommes make in powder / and do it therin and let it ſethe agayne .ii. or .iii. walmes / and at the laſt do therin Storax liquida / and Calamita. If ye wyll haue better ſmellynge / than do therto beniamin or barot .iii. oūc. / & if ye wyl haue it very wel ſmellyng / thā do therto .ii. or .iii. ounces of oyle of ſpyke / than ſtrayne it through a clothe / and let it ſtande a nyght the nexte day cut this ſalue in .iiii. peces / & than take it out of the ketyll / & make therof rolles with freſſhe oyle of roſes. If ye wyll haue this plaſter fayre grene / than do therto the ſap of nyght ſhewe (or ſolatri in latyn) & ſap of elder / and celidonia of eche .iii. pounde therwith let the ſalue ſethe agayne/ but not longe/ the longer it doth ſethe the paler it wexeth/ but the ſcharpes be not ſo holſome/ as the other be/ neuertheles ſome mayſters doth this ſap therin/ & they knowe not what vertue & power they haue. the nyghſhawe colyth and ſoftenyth/ ſo doth ÿ elder alſo/ and celidonia clenſyth/ the more as ye put in this ſalue moche roſyll/ ſo may ye the better this ſame ſap do therto/ and. ii. or. iii. ounces of myrra/ than clenſeth it the more. Neuer can come a good conſolidatiuum without a mundificatiuum/ for that mundificatiuum is ÿ key of the incarnatiuum and conſolidatiuum.

¶ A good Jewes plaſter to freſſhe woundes.

¶ Take whyte waxe. iiii. pounde/ raſeno de pyne/ that is whyte roſell/ turpentyne of eche. ii. pound/ oyle of roſes one punde/ maſtyk/ whyte frankenſence/ myrra of eche. ii. oūces/ freſſhe leues of roſes. iiii. oūces/ reed wyne one meſure of. iii. poūde/ of all theſe herbes take ÿ ye may get/ wynter grene or pirola in latin/ ſyndowe/ diapenſia/ walmayſter/ or matriſylua in latin/ herba ſaraſenica/ herba tunici/ herba ſolſequii/ betonica/ conſolida minor/ fumus terre/ plantayne great and ſmall/ ſtorkes byll or herba rubea/ in latyn/ valeriana/ of eche lyke moche/ tyll ye haue ynough/ and good wyne/ tyll ye haue ynough/ ſtampe the herbes/ and threſt therout the ſap/ and put the wyne on the herbes ÿ they may become well moyſty in the wyne/ and let it well ſethe as the afore ſayd wyne/ than ſtrayne it through a clothe/ than do the ſap and the wyne in a kettyll/ therin do the Waxe/ Turpentyn/ Roſyll/ and Oyle than ſhall ye ſethe the Roſes with the rede wyne tyl it gyue a blew flame/ than ſtrayne it through a clothe/ and do it alſo in the kettyll/ and let it ſethe all togyder. v. or. vi. houres longe/ than take it from the fyre/ and let it be colde/ and the next day melt it agayne/ and do therin the Maſtyk/ Frankencence/ and Myrre/ made al in powder/ and do in the kettyll/ and let it ſethe togyder a whyle or twayne/ and than take it of from the fyre/ and let it be colde/ than ye haue a ryght Jewes plaſter that all woundes heled without Tentes.

¶ Gracia dei.

OF Gracia dei lyke Mayſter Peter de Arg[illegible] ſet in the boke of the fleſſhe makyng medycyns. ¶ Take whyt Roſyl/ whyt Waxe/ Armoniacū of eche. iii. ounces/ Turpentyn. vi. oūces/ Galbanū/ Olibanū/ Maſtyk/ clere good wyne/ of eche an oūc. Ariſtologia rotunda half an oūc. & make of this that is nede to worke in wyne/ therin is ſoden Betonica/ Verbena/ Conſolida maior and minor/ Sentonia/ Pimpenella/ ſaynt Johns herbe or Ipericon/ ſtorkes byll or herba rubea in latyn of eche an handfull / and al this parcelles ye ſhall ſethe in the wyne / tyll the wyne be almoſt conſumed / and afterwarde it with womans mylke as it belongeth / this plaſter doth the fleſſhe to growe and heleth / and it is comen for all woundes and fractures of the bones / and the ſurgyans that nowe be prayſeth it ſore.

¶ Attractiuum.

¶ Emplaſtrum attractiuum / that is mūdificatiuū / ỷ is to ſay / a drawynge plaſter and it draweth to hym the matter / and all vnclennes of the impoſtumation / vlceration / & ſwetynges of all vnclene woūdes. ¶ Take whyte roſyl a poūde / mayden ware half a poūde / hertes ſuet .viii. oūces / turpētyn .iiii. oūc. ſarcocolle .ii. oūces. maſtyk / whyt frākēſēce of eche an oū. myrra / aloe / ſuccotrini of eche half an oūc. melte ỷ ware roſyll / and ỷ hertes ſuet togyder / & ſtrayne it through a clothe / than do therto the turpētyne / and ỷ other parcelles in powder / and oyle of roſes .ii. ounces / ſtyre this togyder tyll it be colde / wyll ye haue this rede than do therin ſynopre in powder / yf ye wyll haue it fayre yelow / than do therin a dragma ſaffran in powder / yf ye wyll haue it grene ſo ſethe ſap of ỷ herbes therwith / therof is ſayd afore in the grene plaſter.

¶ A drawynge plaſter.

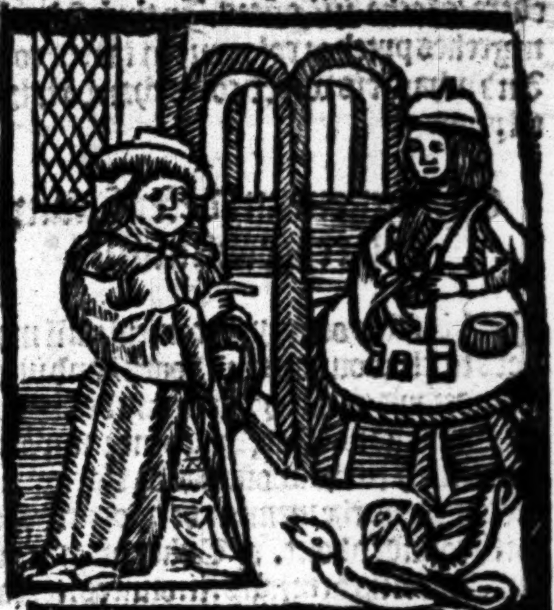
¶ A plaſter that draweth out arowe hedes habergonnes nayles / and al that of iron is / in the mannes body. ¶ Take apoſtolicum Nicolai afore ſayd .ii. ounces / magnete ſtone of a lyte / that hath his powre half an ounce / hares greſe / hēpſede oyle of eche half an ounce / whyte diptā a dragma / melte that greſe and ỷ oyle ſoftely togider / and do ỷ other parcelles therin that is made in powder / & ſtyre it togider tyll it be colde.

¶ Another drawynge plaſter.

¶ A plaſter to take out thornes / ſplyntes / glas / bones / and other lyke thynges / that is in mannes body. ¶ Take diaquilon plaſter out of this Antidotario .iii. ounces / magnete ſtone half an ounce / the rote of polipodiū / the rote of whyte diptan / the rote of rethe (called ī latin arūdo) of eche a dragma and an half / hares greſe an oūc. and an half / oyle of hempſeed an oūc. hereof make a plaſter as is afore ſayd.

¶ A ſoft clenſynge plaſter.

¶ A ſoft plaſter that clenſeth al foulle woūdes that is olde / they that hath roted fleſſhe or maketh moche matter / and is called mūdificatiuū de apiū / this hath occupied Wylhelmus / Lanfrancus / Henricus de monte villa / Guido / & all ſurgians of Paris. ¶ Take ſap of apium .ii. ounces / barley or whete mele .iii. ounces / that ſhal ye ſethe with a ſoft fyre tyl it be thycke lyke a ſoft plaſter / and as ye do therto ſap of wormwode it let no fylth come in the wounde / and ỷ wounde about frete not hym ſelfe lyke the kancker / or yf the wounde haue any bones than ſhall ye do therto ſap of playntayne or ſap of eruilia / and ye do therto farina fenugreci / or farina lupinorū / ỷ cureth more ſtronger with dryenge as Theodoricus and Brunus ſayth.



The maner how ye ſhall make ſomme ſalues and oyntmentes very nedeſull to the ſurgeans.

Aureū vnguentū after the antithodario meſue/ that all freſſe woundes fylleth w̄ fleſſhe/ and helyth/ Take yelowe waxe xii. oūc. good oyle of olyue a pounde and an halfe/ turpētyne iiii. oūces/ grekes pytch/ with roſyl/ of eche v. ounces/ whyte frankencence/ maſtyk of eche. ii. ounces/ ſaffran a dragma/ melte ẏ waxe/ oyle/ with the grekes pytch togyder and afterward do therin turpentyn/ and ſet it then from the fyre/ and make the other parcelles in powder/ ⁊ do this therin at ẏ half colynge/ and ſtyrre it thā wel tyl it be colde.

¶ Unguentum apoſtolorum.

¶ Auicenna ſayd vnguētum apoſtolorum clenſyth a fyſtule/ and makyth ryght good/ and clenſyth al corupt woūdes of ẏ rotten fleſſhe without payne/ and makyth that the fleſſhe may growe.

¶ Take whyte roſyll/ whyte waxe of eche an ounce/ apopanati/ ſpaynyſſhe grene of eche half an oūce/ armoniaci/ maſtyk/ myrre/ galbany of eche an ounce/ aryſtologia longa/ / whyte frankēcence of eche an oūce and a half. lytargirium/ bdellii. ix. dragma. oyle olyue in the ſomer a pound ⁊ a half and in the wynter. ii. pounde/ ſtepe this in vynegre. iii. dayes lōge. as is the galbanū armoniacū/ bdelliū/ than ſhall you melte and ſede it. than do therin the roſyll ⁊ waxe. and as it is melted than do therto the oyle ⁊ turpentyne. and than do therin ẏ other parcelles made in powder.

¶ A whyte Salue.

¶ The whyte Salue after the Anthytodario Nicolay.

¶ Take whyt leed. iiii. oūc. lytargiriū. ii. oūc. whyte frankenſence. iii. dragma. maſtick. ii. dragma. eche ꝑcelles make in powder by hym ſelfe/ and mydle the whyte leede with a lytell oyle/ and do therto litargirium/ therafter maſtick and frankenſence/ ⁊ ſtyre it with a peſteyll oftentymes/ and at eche tyme do therin a lytel roſe water/ whā it begynneth to thycke put more oyle therto and to eche tyme a lytell roſe water/ and do it ſo longe that it be nother to thycke nor to thynne.

¶ Unguētū albū cōferatum.

¶This whyte ſalue to make ſayd Raſis.

¶Take oyle olyue a pounde and a halfe ſtamp whyte lede a pounde/ whyte waxe/ half a poũde. campher.iii.dꝛagma.iii.yolkes of egges. this ſhall ye ſtampe to gyder in a moꝛter/ and in the leſt do therin Campher in powder.

¶Unguentum Baſylycon magnum.

¶This Salue ſet Meſue in his Antidothario/ and is a grete helper to the wounde ther hete is in/ and aboue all in the woundes of the ſynewes. and dothe clenſe and to growe fleſſhe ¶Take whyte roſyll/ whyte waxe/ tallowe of an oxe/ blacke pytche/ byꝛdelyme/ myꝛre/ of eche.iii.ounces. oyle olyue that ther be Jnough. therof make a ſalue as therto belongeth.

¶Dyalthea.

¶This ſalue Dyalthea make after the Antithodario Nycolai.

¶Take hye malowe rootes.ii.poũde/ lynſeede/ fenygreke/ of eche a pounde. ſquille/ half a pounde. ye ſhall waſſe it well/ than ſhall ye yͤ rotes/ lynſeed/ fenegreke/ ſquille ſtampe/ and laye it in.iiii.poũde water.iii. dayes longe. and on the.iiii.daye ſet it on yͤ fyꝛe and let it ſede tyll it begynne to waxe thycke/ and do it by lytel and lytell in a lynnen bagge/ and as ye wyll wꝛynge it out/ and do therto a lytell hote water yͭ the ſlyme well maye come out. and of the ſlyme take iii.poũde. and do therto oyle olyue.iiii.poũde. than let it ſeede tyll the ſlyme conſumeth than do therin waxe a poũde. and as that is melted do therin turpentyn galbanũ/ gumi edere/ of eche.iiii.oũces. In the leſt do therin grekes pytch oꝛ colofonie in latyn/ roſyll. And whan it is wexed colde than do it lyghtly out.

ana

¶Unguentum defenſiuum and repercuſſiuum.

¶This ſalue occupyeth comenly all mayſters to all woundes and bones/ and impoſtumacions/ it reſtryngeth and defendeth yͭ no ſwerynge noꝛ ſwellynge/ noꝛ impoſtume cometh to the woundes oꝛ fractures of the bones/ as the membꝛe be anoynted therwith rounde about. ¶Take roſe oyle.iiii. ounces. bolus armenus.ii.ounces. terra ſygillata/ [illegible]ſe/ of eche an ounce. camfer a dꝛagma. nyghſhawe oꝛ ſolatrũ in latyne howſlyke/ of eche an handeful/ and ſtampe it and thꝛeſt well out that ſappe/ and mydle it to gyder colde lyke a whyte ſalue.

Vineg

¶Unguentum Egypciacum.

¶This Salue lerneth Galienus/ Raſis/ Albucaſys/ ⁊ is ſoꝛe occupyeth now in this tyme of the ſurgeans/ it clenſeth ſoftely and takeh away all vnclenes.

¶Take hony a poũde. venegre halfe a poũde. ſpanyſſhe grene.ii.oũc. alume one oũc. this ſhall you ſede all to gyder on yͤ fyꝛe tyll it be rede. And this ſalue taketh iii.maners of colours in his ſethyng. If it is ſoddẽ but a lytell/ it ſemeth grene. is it ſoddẽ well thã it ſemeth rede. is it ſoden to moche/ than it ſemeth blacke.

¶Unguentum fuſcum.

¶This Salue dothe fleſſhe to growe/ and

clenſeth and heleth. ¶ Take oyle olyue .ii. pounde ⁊ .iiii. ounces / waxe .viii. ounces / grekes pytche / ſhyp pytche / whyte roſyn of eche .iiii. ounces / maſtycke / galbanum whyte frankenſence / turpentyne / myrra / of eche .v. ounces / apoponatum / armoniacum / of eche an ounce / melte the oyle and yͤ waxe in a panne / and than put therin the ſhyp pytche and the grekes pytche / ⁊ when it is molten ſtrayne it through a cloth / and ſtepe the gommes in vyneygre and ſoften them ſo / and ſtrayne it throughe a cloth and put it therin / and at the laſt put therin the other gommes in powder / and the turpentyne / and ſtyrre it togyder tyll it be colde.

¶ Unguentū papuleon Nicolai.

¶ This ſalue nowe a dayes the barbours maketh contrary / and otherwyſe thanne it ſholde be / for ſomtyme they put butter / ſomtyme herbes that heleth / and they laye the ſalue with lynte in the wounde / and yͭ is contrary to the power of yͤ populer ſalue for the nature of them is for to cole / and to take the payne away / therfore it ought not to be made none otherwyſe then here after folowynge.

¶ Take populer buddes a pounde and an halfe / hogges grece .iiii. pounde ⁊ ſtampe them togyder / and let it ſtande tyll ye may haue theſe herbes here after folowynge. Folia papaueris nigri / bramble leue of yͤ fyrſt buddynge / dolerote leues / or folia de pua verſa / bylſem leues / or folia iuſquiami / nyghſhawe leues / or folia ſolatri / folia de ſatyrion / water pepper leues / or craſſula in latyn / letuſe leues / vyolet leues / houſe leke / grete burre leues / or lapatium in latyn / grounſwell leues / of eche .vi. ounces / and ſtampe theſe herbes togyder with hogges grece / and with the buddes of populen / ⁊ let it ſtande the ſpace of .viii. dayes / ⁊ than put therto wyne .iii. pounde / than ſethe it in a kettell tyll the wyne be ſodden awaye / and than ſtrayne it throughe a cloth.

¶ A ſalue.

¶ This ſalue cauſeth in all complexyons fleſſhe to growe in freſſhe woundes.

TAke whyte frankenſence / maſtycke / aloepaticū / grekes pytche / ariſtologia aduſta / yreos / ſarcocolle / of eche lyke moche / therof make a ſalue with oyle and waxe.

¶ A ſalue that cauſeth fleſſhe to growe in the woundes of yonge perſones.

¶ Take turpẽtyne whiche is not waſſhed .ii. oūces / roſe hony a dragma / the yolke of an egge / oyle olyue and waxe / and loke yͭ there be ſtuffe ynough / and then ye ſhal make therof a ſalue.

¶ A ſalue that clenſeth the woūdes of yonge chylderne ⁊ cauſeth the fleſſhe to growe.

¶ Take whyte turpentyne whiche is not waſſhed .iiii. ounces / yͤ yolke of an egge ⁊ a lytell barly mele / ⁊ make therof a ſalue.

¶ A ſalue that clenſeth and cauſeth the fleſſhe to growe in drye complections.

¶ Take ſhyppe pytche well waſſhed in good lye. vi. ounces / reed hony. ij. ounces / ſpanyſſhe grene halfe a dragma / the yolke of an egge / barlye mele ynoughe / and make therof a ſalue.

¶ Another ſalue that cauſeth the fleſſhe to growe in all maner of freſſhe woundes.

¶ Take turpẽtyne. iiij. oũces / hony halfe an ounce / powder of the barke of whyte frankenſence a dragma / ſaffran the thyrde parte of a dragma / & take ynoughe of oyle of roſes & waxe / and make therof a ſalue.

¶ A ſalue whiche clenſeth the matter & cauſeth fleſſhe to growe

¶ Take turpentyne / hony of roſes ſtrayned / of eche. iiij. ounces / myrre / ſarcocolle of eche. iij. dragmas / barly mele an ounce / yͤ yolke of an egge / and halfe a dragma of ſaffran / and medle them togyder / and ſet it on the fyre and ſtyre it well / and when it is luke warme / put therto the yolke of an egge.

¶ A ſalue that cauſeth the wounde to gyue matter.

¶ Take turpentyne .iij. ounces / hartes grece / or the mary of an harte. ij. ounces / oyle of roſes an ounce / whyte frãkenſence halfe an ounce.

¶ A ſalue that cauſeth matter to come in freſſhe woundes ſhortly after it is layde therin.

¶ Take turpentyne. iiij. ounces / oyle of roſes / and waxe / of eche. ij. ounces / melte theſe togyder / and as ye wyll occupye it / make it a lytell warme / and laye it with lynte on the wounde / and it wyll ſoone gyue matter.

¶ Another ſalue for a freſſhe wounde that maketh matter.

¶ Take hartes grece / turpentyne of eche. iiij. ounces / oyle of roſes / whyte frankenſence / maſtycke / of eche an ounce.

¶ A ſalue for a membre that hath ben out of the ioynte / or that hath ben wounded / and after the helyng the ioynte can not be bowed

¶ Lanfrãcus hath taken this ſalue out of the boke of Raſis / but he hath amended it. Take olde ſwynes grece. vi. oũces: duckes grece / gooſe grece / hennes grece / of eche. ij. ounces / olde oyle olyue. viij. ounces / fenigreke mele / lynſede mele / of eche. ij. ounces / bdellij / oppoponati / maſtycke / frankenſence / of eche an ounce / the gommes ye ſhall wete in wyne / & afterwarde ye ſhall medle it with oyle and grece / and put therto a lytell waxe / and turpentyne / and then put therin the other harde gommes made in powder / & ſtyre it togyder tyl it be colde

¶ Here after foloweth the maner to make powders neceſſary for ſurgyans.

¶ A reed powder yͭ dryeth ſore & maketh yͭ none euyll fleſſhe growe in the wounde.

[illegible] / pow[illegible] / [illegible] / bolus armenus / terra ſigillata / dragons blood / [illegible] / of [illegible] a dragma / ⁊ ſtampe them togyder and make a ſayl powder.

¶ A reed powder for all woũdes and fyſtules clenſynge from evyll fleſſhe / good for the woundes of the heed.

¶ Take greekes pytche .iii. ounces / walke cotes / or ambra in latyn / emathites / mumie / dragons blood / of eche an ounce / maſtycke / whyte frankenſence / of eche halfe an ounce / and make therof a powder / and ye may occupye this powder without harme / though the brayne lye bare / this powder ye ſhall ſtrawe upon lynte depte in wyne / and laye that theron.

¶ A reed powder that ſtoppeth blood and in the wounde maketh fleſſhe to growe.

¶ Take dragons bloode / whyte frankenſence / aloepaticum / ſarcocolle / of eche an ounce / [illegible] halfe an ounce / ⁊ make therof a powder.

yreos

¶ A ſofte powder whiche taketh out of the wounde the ſuperfluyte of evyll fleſſhe (as Lanfrancus ſayd)

¶ Take herma dactili / ariſtologia rotunda / of eche an ounce / ſpanyſſhe grene an ounce / and make therof a powder.

halfe a

¶ A reed powder whiche is profytable to the ſeme of the wounde and holdeth the lyppes faſt togyder / and ſtoppeth the blood / and heleth the wounde (as Albucaſis and Lanfrãcus wryteth) but for the unſlecked lyme Guydo taketh ſo moche bolus armenus / and haly abbas taketh ſo moche ſandaly / and I take ſo moche lyme of egge ſhelles that is waſſhed ⁊ dryed agayne.

¶ Take whyte frankenſence .ii. ounces / dragons bloode / and unſlecked lyme / of eche an ounce (and Guydo ſayth) Take for the lyme bolus armenus an ounce / and haly abbas ſayth / take ſandaly an ounce / ⁊ after my lernynge take an ounce of ẏ lyme of egge ſhelles / ⁊ therof make a powder.

¶ Wylhelmus de ſaliceto maketh another powder to lay on the ſeme that is very good / and that lyketh me well.

¶ Take dragons blood / dragagantum / gomme arabici / of eche an ounce / and therof make a powder.

¶ A proued powder for ſtoppynge of blood that the Lombardes ſurgyans occupyeth / ⁊ this powder ſtoppeth the blood and heleth alſo.

¶ Take dragons blood / bolus armenus / terre ſigillate / of eche an ounce / pſidie / pome garnade flowres / accacia / ypoquiſtidos / cypreſſe nottes / of eche an ounce / mu‑

[illegible] / frankensence with the barke / of eche .ii. dragma / mannes blode brente an ounce / wartes hede brente .iii. dragmas and make therof a powder.

Ⲥ Another powder whiche stoppeth blood.

Ⲥ Take cathapladis / egge shelles that ÿ chekyns be come out of / or mosse growynge upon [illegible] in the chyrche yarde / small brennynge nettyles of eche lyke moche / dryed and made in powder.

Ⲥ A powder that dryeth / heleth / and maketh skynne / and restrayneth the matter.

Ⲥ Take aleopaticum / sarcocolle / of eche .ii. ounces / dragons blood / the barke of frankensence / rounde holle rotes / or aristologia rotunda in latyn / calmei preparati / [illegible] of our lady of eche halfe an oūce / pomegarnade floures / baulaustie / psidii / tutie preparate / erugo eris / cypresse nottes / of eche a dragma / lynen cloth burned halfe a dragma / camfere a dragma / and make all these togyder in a powder.

Ⲥ Here after foloweth the maner for to make oyles / whiche be nedefull to the surgyans.

Ⲥ Oleum camomille is nedefull to the surgyan / for it resolueth the matter / and also it taketh a waye the payne.

Ⲥ Take camamel floures in the moneth of June a pounde / oyle olyue strayned .iii. pounde / and put them in togyder in a glasse / and set it in ÿ sone .xiiii. dayes / than strayne it / and put therin agayne a pounde of fresshe camamel floures / and set it agayne in the sone .xl. of the dysmoll dayes / than strayne it agayne.

Ⲥ Oleum benedictum that is the best oyle to warme the colde membres wherin the mary is become colde within the bone / and this oyle stoppeth the glytteryng water / and heleth fresshe woundes / the fystules / the cankers / & dryeth the rennynge sores / & thus with grete dylygence and good understādynge ye must make this oyle.

Ⲥ Take oyle olyue a pounde / turpentyne / [illegible] tauri / of eche halfe a pounde / synamon .iii. ounces / clowes .ii. ounces / euforbii / galbani / baye leues / gommi edere / armoniaci appoponaci / of eche an ounce / laudani .viii. ounces / whyte frankensence / castorie / spicinardi / lignum aloes / of eche halfe an ounce / make all this in powder.

[illegible] for eche other / and put therto also the [illegible] stones [illegible] in pouder / drinkynge [illegible] a pounde / distylle it per alembicum / and so it wyll gyue or yelde .iii. maner of licours. The fyrst it gyueth water / the seconde tyme it gyueth oyle / and the thyrde tyme it gyueth [illegible] lyke a bawme and kepe eche of them by hymselfe.

¶ The bawme artyfycyall.

¶ The moost best bawme to serue for all fresshe woundes that be made thus.

[illegible]

¶ Take lignum aloes .ii. ounces / opoponacum / resine de pino / bdelii / galbani / armoniaci / mastices / [illegible] / gummi elemi / olibani / myrre / bensium / oleum lauri / oleum benedictū / laudani of eche .iii. ounces / carpobalsami / xilobalsami / oppobalsami / in this place may be taken oleum balsami of eche an ounce / sanguinis draconis halfe an ounce / castorei / spicnardi / galgantii / cubebe / maces / synamome / cardemum / grana paradisi / [illegible] of eche a dragma / olei terpentini / as moche in weyght as all the other aforesayd / and distyll it per alembicum. This bawme heleth fresshe woundes / and stoppeth shortly the glytterynge water in the woundes yf it be well made.

¶ Another very good bawme whiche serueth for all maner of fresshe woundes.

¶ Take olybani / armoniaci / storacis calamite / storacis liquide / of eche .iiii. ounces / mastices / colofonie / dragagantii / gummi arabici / gummi bdellii / gummi elempi / of eche .ii. ounces / myrre / euforbii of eche halfe an ounce / gummi edere / resine pini / gummi ficuum / opoponati / bensiū / whiche is gōmi cedri / visci querci / gum / and not the tree / sanguinis draconis / aloe [illegible] / [illegible] / carpobalsami / boracis / verticis [illegible] laudani mundati. iii. ounces / olii roſati / .ii. pounde / olii laurini / terpentini. rubii / of eche a pounde / olii maſtricis / oyle of camamyll of eche halfe a pounde / and of the forſayd bawme / iuniper oyle / bramble oyle / oyle of vyolettes / of eche. viii. ounces the ſayde gommes wette in vynegre / and the other make them in powder / than ſhal you ſethe this all togyder in balneum marie / and as you ſe that the gommes wyl lye on the grounde of the glaſſe / than it is ſoden ynoughe / and yf ye wyll haue the naturall colour of the bawme / ye ſhal put therin halfe an ounce of ſaffran of orient ſtamped / for that cauſeth the fleſhe to growe / Alſo yf ye wyll haue it ſeme fayre and grene / than put therin ſpanyſſhe grene. iii. ounces grynded ſmall / and at the laſt put therin the turpentyne / and oleum turpentini.

Oyle of caſtory the whiche is moche profytable and nedeful for a ſurgyan.

Take oyle olyue. viii. ounces / caſtorie. iii. ounces / ye ſhall put all this togyder in a glaſſe and ſethe it in balneum marie. iii. houres longe / than kepe it well.

Oyle of lylyes is alſo neceſſary for the ſurgyan.

Take oyle olyue. ii. pounde / whyte lylye leues a pounde / roſe leues halfe a pounde / maſtyche. iiii. ounces / ſaffran. ii. ounces / and the maſtyche muſt be made in powder put them all togyder in a glaſſe and ſet it in ÿ ſonne the ſpace of. ix. dayes / and on the. x. daye ye ſhall ſethe it in balneum marie / & than ſtrayne it. Or elles take oyle olyue. xii. ounces / whyte lylye leues. iiii. ounces and make it as is aforeſayd.

Oleum maſticis. muſt be made thus.

Take maſtyche. iii. ounces / oleum iaſmini. xviii. ounces / and ye ſhall ſethe them in balneum marie ſo longe tyll the. iii. partes be conſumed. Or elles make it thus. Take oyle of roſes. xviii. oūces / maſtyche. iii. ounces / well ſmellynge wyne halfe a pounde and ſethe them in balneum marie tyll the wyne be conſumed.

Oleum Nenufaris.

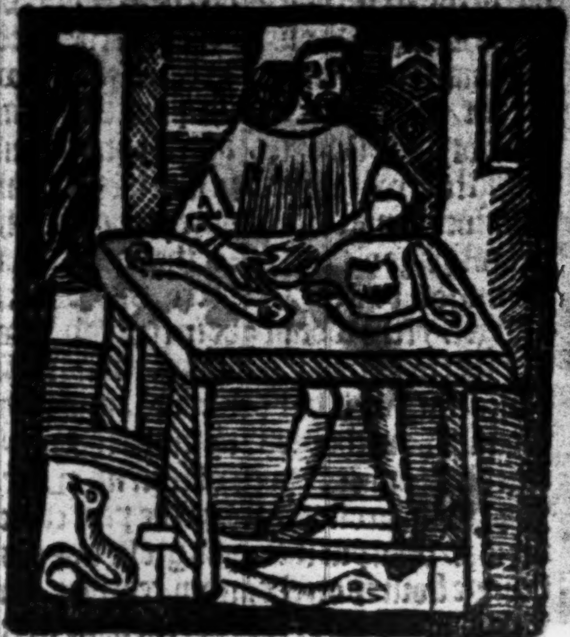
This oyle is to the ſurgyans mooſt profytable for it coleth the parſones / and it muſt be made in lyke wyſe as the oyle of camamyll is and in the ſtede of camamylle take whyte ſee floures / whiche herbe hathe brode leues ſwymmynge vpon the water / and it is called flores nenufaris in latyn.

¶ Oyle of roſes / without whiche oyle no ſurgyan maye be / and it muſt be made in this maner as here after foloweth.

¶ Take the ſappe of duſke / or origani in laten / and water that roſes be ſodden in / of eche a pounde / oleum ſiſamini waſſhed / or take oyle olyue the greneſt that ye can gete .iii. pounde / leues of roſes a pounde / and put them togyder in a glaſſe / and ſet it in the ſone the ſpace of .xiiii. dayes / than ſhall ye ſethe it in balneum marie tyll the ſappe and the water be conſumed / and then afterwarde ſtrayne it / and put therin agayne as moche water of roſes / and ſappe as is before rehereed / and ſette it agayne in the ſonne other .xiiii. dayes / and than ſethe it agayne in Balneum Marie as is before ſayd / than ſtrayne it and ſette it agayne in the ſonne and lette it ſtande there the ſpace of .xl. dayes.

¶ Oyle of elder / or oyle of vyolet or ony other oyles made of floures / they muſt be made thus / as here after foloweth.

¶ Take the flowres / or the herbes a pounde / oyle olyue .iii. poundes / and put it in a glaſſe / & ſet it in ẏ ſone the ſpace of .xl. dayes / than ye ſhall ſethe it in balneum marie and than ſtrayne it and threſt it out / and the oyle of elder ſhall ſtande in the ſone but .iii. dayes / or elles it wyll be corrupte.



¶ Here after foloweth a maner howe to make a drynke for all woundes and it is nedefull for a ſurgyan.

¶ A drynke for all woundes and as a perſone is ſtryken thurghe the body / whiche drynke helpeth hym inwardly without powder / or other thynge / neuertheles it is good to laye on the wounde a grene wounded plaſter / for it clenſeth ẏ woundes and this drynke ſhall be made thus.

¶ Take yuy leues / or euery herbe growynge on broken tree .iiii. ounces / wynter grene ſmall and grete / or pirola in latyn / ſanycle or diapenſia in latyn / Syndau / herba fortis / or betonica / of eche .ii. ounces / herba ſoldaquin an ounce / chop all theſe herbes ſmall togyder and put them in a pewter pot / and put therto .iii. pounde and an halfe of the beſt wyne / and a pounde and an halfe of water / and ye ſhall ſethe them in balneum marie .iii. houres longe without takynge of the lydde of the pot / then on the morowe after put therto .viii. ounces of ſinger / yf the wounde be in the heed / than put therto betonye .ii. ounces / ſauge / an ounce / lauendell halfe an ounce / and yf the wounde be in the breſt / than put therto lycorice .ii. ounces / polipodium an ounce / yſop halfe an ounce / and yf the pacyent be feble ſore / than put therto bugloſſe floures / borage floures of eche an ounce / roſes / halfe an ounce / than yf the pacyent haue grete hete put therto violettes .ii. ounces / flores nenufaris halfe an ounce / yf ŷ wounde be on ŷ lefte ſyde / than do therto lyuerworte an ounce / mariſilua halfe an ounce / and yf he haue no goynge to the draught / than it is nedefull to put therto ſene leues / caſſia fiſtula of eche .ii. ounces / and yf he be depe wounded / than put therto celidony rotes .iiii. ounces / and gyue it hym to drynke at mornynge / at noone / and at euenynge / at euery tyme .iiii. ounces.

¶ Another good drynke for a wounde whiche is vſ[illegible] and hath ben proued.

¶ This drynke is gyuen for the wounde that is not deedly / and dryueth out of the wounde all corrupcyons within .viii. dayes / and afterwarde it heleth the wounde / & thus this drynke muſt be made.

¶ Take reed roſes / parule ſede / abrotanum / tanaſcetum / ſtrawbery leues / leues of the be tinctorum / herba tuberti / plantayne grete and ſmall / appe leues / or folia apii / hempe ſede / and ſethe all these togyder in wyne / and put therto a lytell hony / & therof ſhall the pacyent drynke at mornynge and at euenynge / and at euery tyme .iiii. ounces / and waſhe the wounde therwith and lay a reed cole leſe therupon.

¶ Another drynke that ys good for a wounde.

¶ Take pympynella / ſanycle / or diapencia in latyn / walre rote / or ambroſia / agrimonia / yſope / tanaſetū / grete plantayne / ſtrawbery leues / of eche an handful / and ſethe them in wyne / or in water / and put therto a lytel vynegre & hony / this drynke cureth or heleth the wounde by hymſelfe.

¶ Another drynke for a wounde

¶ Take herbe ſanguiſorba / ſyndawe / diacentia / of eche .iii. ounces / wynter grene / or pirola in latyn / ſtrawebury leues / of eche .vi. ounces / centimorum agrimonia / betonica / reed moderworte / or artemiſia rubea / of eche .iiii. ounces / ambroſia / pimpinella / [illegible] / grounde wormes / or [illegible] / [illegible] / of eche .iii. ounces / [illegible] powder .iii. ounces / clere hony [illegible] pounde and an halfe / and take therto .iii. poundes of good whyte wyne / and chop ſmall theſe foreſayd herbes / then mengle them with the wyne and hony / and put it in to a grete pot ⁊ couer it wᵗ a lyd of tree / ⁊ cloſe yͤ pot with claye / ⁊ make aboue in the lydde a lytell hole that it maye haue ayre out / and it ſhall ſethe tyll the thyrde parte be conſumed / and than gyue the pacyent therof to drynke at mornynge and at euenynge a ſponefull / and it ſhall hele hym / this drynke ye ſhall kepe in a pewter pot or in a cloſe veſſell.

¶ A drynke that dryueth out the cōgyled blood through the vryne.

¶ Take ſyndawe / fenell / ſmal ſauge / parſele of eche an handefull / yſope / fenell ſede / anes ſede / the rote of mandragora of eche .ii. ounces / and ye ſhall ſethe them togyder in .ii. pounde of water / and gyue the pacyent therof to drynke.

¶ Another drynke for the ſame.

¶ Take celidonia / permacete / ſtercus de [illegible] / and make therof a powder / than take yͤ rote of a [illegible] / and ſmall ſauge leues of eche an handefull / and ſethe it in good whyte wyne tyll the thyrde parte be conſumed / than take a lytell glaſſe full of yͤ ſame drynke / and take of the foreſayd powder to the quantyte of .iii. haſyll nottes and medle them togyder / and yf ye wyll haue it ſtronger / take charuell water / cycoria water / of eche .ii. ounces / ſtercus de muris a lytell / medle it all togyder and gyue the pacyent to drynke.

¶ Another coſtely drynke for a wounde.

¶ Take wynter grene / or pirola / ſyndawe / matriſilua / mugworte / water creſſes / or gynacium in latyn / brunella / ſmall plantayn of eche an handefull / herba graſſe / moderworte / celidonia / of eche .ii. handfull / herba ſaraſenica / an handfull and an halfe / ſanicle or diacentia in latyn / herba tunici of eche an handfull / ſmall ſauge halfe an handfull / ſerpentina with dyptan / or diptamū albū in latyn / of eche .ii. ounces / caſtorie / mumie / reed myrre / wormwode / or abſintium in latyn / of eche halfe an ounce / put al theſe togyder in a pot with good whyte wyne / and couer the pot with a lyd / ⁊ cloſe the lyd with doughe / ⁊ in the lyd make a ſmal hole and ſtop it with a tap of woode / ⁊ let it ſethe tyll the thyrde parte be conſumed / ⁊ drawe the tap ſomtyme out that ye maye ſmell whan it is ynoughe / of this gyue the pacyent to drynke at mornynge and at euenynge a ſpone full / and though yͤ pacyent be metely in helth yet ſhall he not drynke yͤ leſſe / ⁊ he ſhall in his dayly drynke medle .iii. or .iiii. droppes of the ſame.

¶ Another drynke for a mã that hath fallen and broken a rybbe / whiche drynke clenſeth the breſt and cauſeth the brethe to come & go at large.

¶ Take creuyſſhes eyes in powder a dragma / dyapenidion an oũce / diadragantũ / halfe an ounce / ſtampe all theſe togyder in a morter tyll they be ſmall / than put therto water of our lady thyſtell / or aqua de tribulis marie / aqua cicoree / or herbe ſolſequii / and make it thynne / and gyue hym to drynke at euenynge and mornynge.

¶ Another coſtly drynke for woũdes in the heed / and alſo for all other woundes.

¶ Take the myddell pyll of the walte rote or of ambroſia in latyn and ſcrape awaye the blackenes therof / take alſo grete ſanicle / or diarentia maior in latyn / of eche to the quantite of an egge / and knytte them bothe togyder in a lynnen cloth / and lay it in a pounde of wyne and let it lye therin. vj houres longe / then gyue the pacyent therof to drynke at euenynge and mornynge / and at euery tyme a ſponefull and no more for the drynke is ſtronge / and ſtepe a lytell clothe or a cole lefe in the drynke and lay it on the wounde whether it be in the heed or in ony other parte or membre of the body.

¶ Here foloweth the correccyons of this preſent boke.

¶ In the. xli. chappytre ſtandeth howe that yf the wounde be in the ſynewes beſyde the teces that ẏ pacyent ſhall loſe his lyfe / but it is not ſo / for it ſholde be the pacyent ſhal loſe his herynge and not his lyfe.

¶ Alſo in the ſame chappytre in the makynge of plaſters ſtandeth / frankenſence / maſtyc of eche an ounce / and it ſholde be of eche a dragma.

¶ Alſo ye ſhall fynde in the. xlv. chappytre in the glyſtres / vyolet leues / & herba mercurialis of eche an oũce / and it ſholde be of eche an handfull.

¶ Alſo in the ſame chappytre in the purgacyon ſholde be pillule fetidis maioris.

¶ Alſo in the. xlvij. chappytre in ẏ fyrſt powder ſholde be the lyme of egge ſhelles.

¶ Alſo in the. xlviij. chappytre in the ſalue makynge ſtandeth florum camomille / abſcinthei / calamenti / ſalte rubbed of eche. viij. ounces & it ſholde be but. iiij. ounces

¶ Alſo in the. lxv. chappytre ſtandeth maſtycke / gomme of araby: and therby ſholde ſtande dragantum of eche. ij. ounces.

¶ Alſo in the. xcii. chappytre in the expelle plaſtre ſtandeth whyte roſyll / turpentyne blacke pytche / and there ſholde be of eche lyke moche.

¶ Alſo in the .xxiiii. chapytre in the receypte in latyn. Recipe ſpecie cũ electuarũ de gumis ſiue ſpecies a dragma / ſpecierum diadragantum frigidum .ii. dragmas / and therby ſholde be diapendiacũ / manus xpi.

¶ Alſo in the ſame chapytre ſholde ſtande in the ſyrupe of hartes tonge leues or ſcholopendre / and there ſholde be alſo borage floures / plantayne / of eche an ounce.

¶ Alſo in the .xxv. chapytre / in yͤ laſt ſalue and in the ſeconde paragraphe for to conſume the engyled blood / take venys ſope cut ſmall .iiii. ounces / and there ſhall folowe aqua vite .iii. ounces / vnguentũ dyalthea .ii. ounces.

¶ Alſo in Antithodario in vnguentũ apoſtolorum is wryten / ſtepe this in vynegre .iii. dayes longe / as is galbanum armoniacum bdelliũ / and therby ſholde ſtande appoponatum. &c.

¶ Alſo in vnguentum dialthea is wryten turpentyne albanũ / & it ſholde be galbanũ. ¶ Alſo in the ſame dialthea ſtandeth in the ende grekes pytche or colophonia in latyn roſyll / and therby ſholde ſtande of eche a pounde.

¶ Alſo in vnguentum defenſiuum is wryten terra ſigillata / fenigreke / and that fenigreke ſholde be vynegre.

¶ Alſo in yͤ thyrde powder ſtandeth yrros and it ſholde be yreos.

¶ Alſo in the fourth powder ſtandeth ſpanyſſhe grene an ounce / and it ſholde be halfe an ounce.

¶ Alſo in yͤ .vii. powder ſtandeth [illegible] and it ſholde be floures. Alſo in the ſame is ypoquiſcidos / and it ſholde be ypoquiſtidos. Alſo in the ſame is mumie for [illegible].

¶ Alſo in the .viii. powder ſtandeth vpon graues / and it ſholde be vpon deed mẽnes heedes.

¶ Alſo in the .ix. powder ſtandeth eyes of our lady / and it ſholde be yce of our lady & it is lyke whyte alume.

¶ Alſo in the ſeconde oyle ſtandeth oleam / and it ſholde be olium. Alſo in the ſame is ceſtorie / and it ſholde be caſtorie.

¶ Alſo in the .iiii. drynke ſtandeth centiniorum / and it ſholde be [illegible] / & in the ſame is arthemyſia for [illegible].

¶ Alſo in the .vii. drynke ſtandeth [illegible] / and it ſholde be pyrola. Alſo in yͤ ſame is herba groſſe / & it ſholde be herbe grace or rewe in englyſſhe.

¶ Alſo in yͤ .ix. drynke ſtandeth [illegible] and it ſholde be ambroſia.

¶ Finis.

¶ Thus endeth the noble experyence & the vertuous handy worke of Surgery / with the Antithodario / practyſed & compyled by the experte mayſter Jherome / Whiche boke of late was tranſlated out of the ſpeche of hye Almayne in to lowe Duche. And after warde in to our moders tonge of Englyſſhe / moche neceſſary & profytable for ſurgyans / as wel for thẽ that haue connynge / as for thẽ that be lerners. For who dylygently often tymes redeth ouer this preſent boke ſhal fynde therin grete ſcyence & connynge. ¶ Imprynted at London in Southwarke by Petrus Treueris. In the yere of our lorde god. M.D.xxv. and the .xxvi. day of Marche.

P T
PETRUS
TREVERIS

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